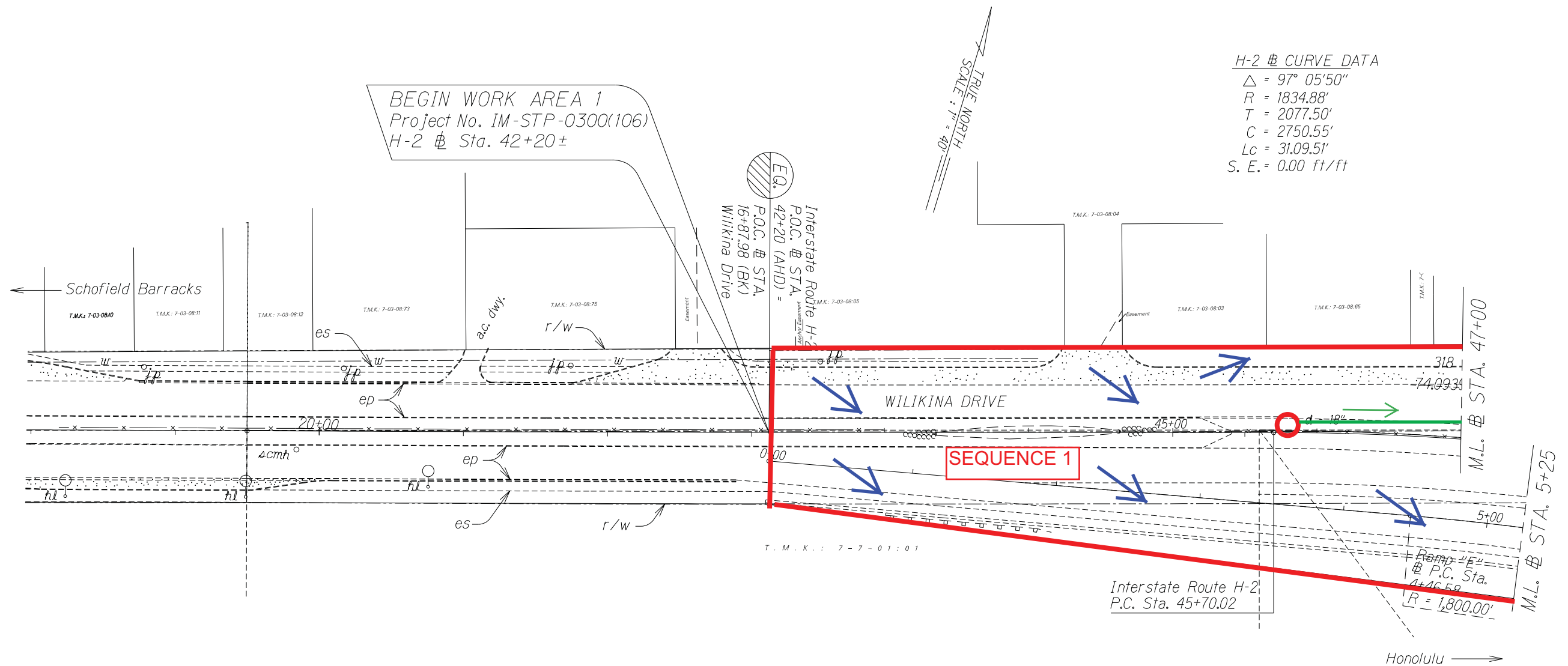


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0



LEGEND

Protect Inlet (Red Circle)

Perimeter Sediment Control (Blue Line)

1 CONSTRUCTION SEQUENCE DIAGRAM H-2 STA. 42+20 TO H2 STA. 56+00

1) Install Inlet Protection

2) Construct Roadway

3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY

Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)

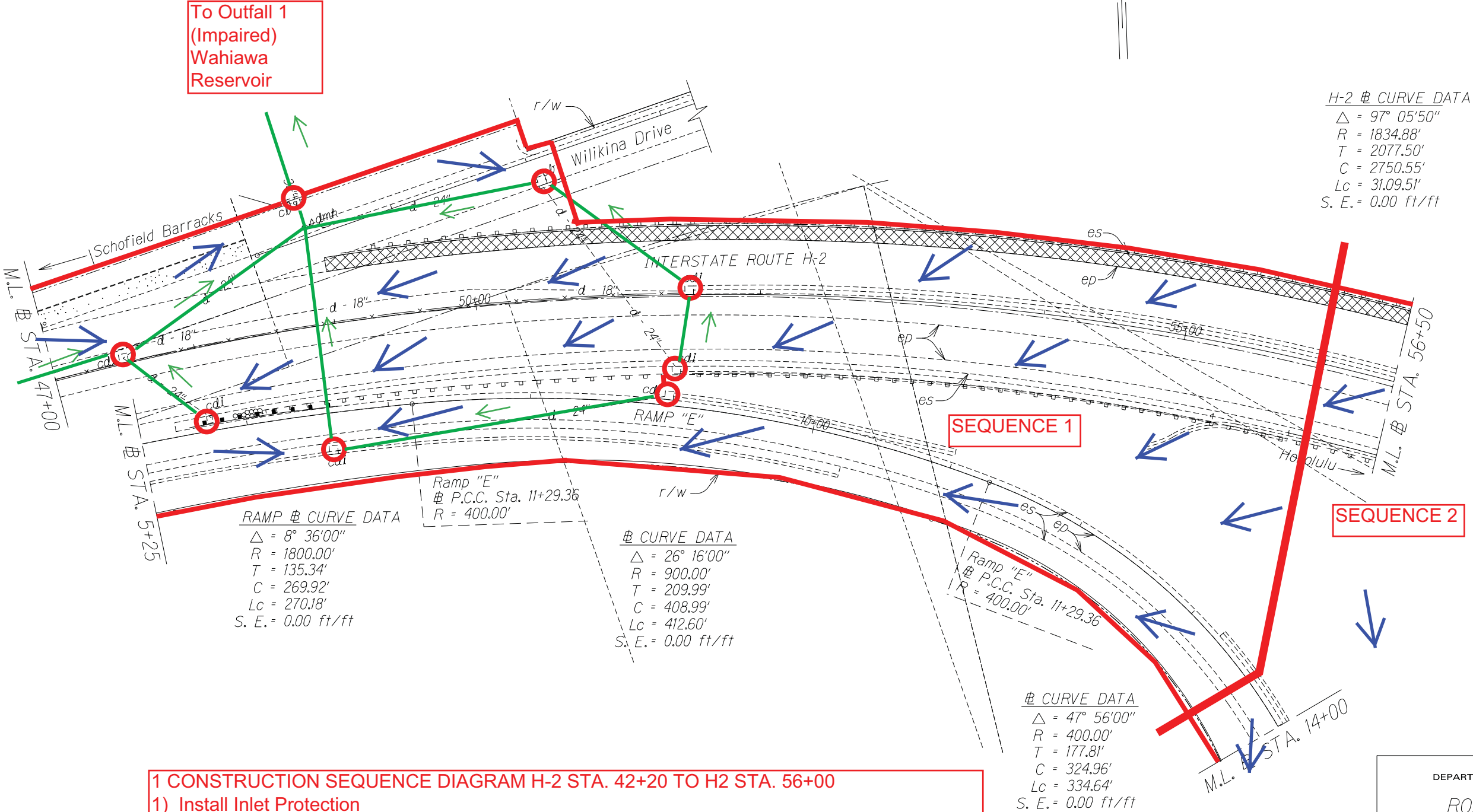
Scale: 1" = 40' Date: Dec., 2014

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

LEGEND

Protect Inlet

Perimeter Sediment Control



- 1 CONSTRUCTION SEQUENCE DIAGRAM H-2 STA. 42+20 TO H2 STA. 56+00
- 1) Install Inlet Protection
- 2) Construct Roadway
- 3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY

Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)

Scale: 1" = 40' Date: Dec., 2014

SHEET No. 2 OF 33 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

RAMP C @ CURVE DATA
 $\Delta = 23^\circ 20'00''$
 $R = 985.00'$
 $T = 203.39'$
 $C = 398.37'$
 $Lc = 401.14'$
S. E. = 0.00 ft/ft

H-2 @ Sta. 61+00± to H-2 @ Sta. 67+80±, Lt.
Remove and Dispose of 2.50 to 3.50 inches of Asphalt Pavement of the 10.00 foot Shoulder.
Replace with 2.50 to 3.50 inches HMA Pavement Mix No. IV.

H-2 @ Sta. 60+75± to H-2 @ Sta. 67+50±, Lt.
Remove and Dispose of 5630 L.F. of Existing Guardrail and Posts. Install 700 L.F. of New W-Beam Guardrail and Strong Post with TAU II Impact Attenuator. See Plan Sheet No. --- for End Post and Thrie Beam Detail for Site "N".

H-2 @ Sta. 57+27±, Rt.
Remove and Dispose of Remaining Emergency Call Box Components and Concrete Pad and Ramp. Grade Landscaping to Match Surrounding. Reestablish Storm Water Gutter. For Details, See Sheet No. ---

H-2 @ Sta. 57+02± to H-2 @ Sta. 57+89.5±, Rt.
Remove and Dispose of 75 L.F. of Existing Guardrail and Posts. Install 87.50 L.F. of W-Beam Guardrail and Strong Post. Connect to Loop "I" Guardrail with W-Beam End Section Buffer.

Loop "I" @ Sta. 7+28± to Loop "I" @ Sta. 7+90.50±, Lt.
Remove and Dispose of 50 L.F. of Existing Guardrail and Posts. Install 62.5 L.F. of W-Beam and Strong Posts and Connect to W-Beam End Section Buffer on H-2 Side.

CONTRACTOR STAGING/STORAGE AREA

SEQUENCE 2

SEQUENCE 3

H-2 @ Sta. 64+44± to H-2 @ Sta. 72+34±, Rt.
Remove and Dispose of 2.50 to 3.50 inches of Asphalt Pavement of the 10.00 foot Shoulder. Replace with 2.50 to 3.50 inches HMA Pavement Mix No. IV.

H-2 @ CURVE DATA
 $\Delta = 97^\circ 05'50''$
 $R = 1834.88'$
 $T = 2077.50'$
 $C = 2750.55'$
 $Lc = 3109.51'$
S. E. = 0.00 ft/ft

LEGEND
Protect Inlet 
Perimeter Sediment Control 

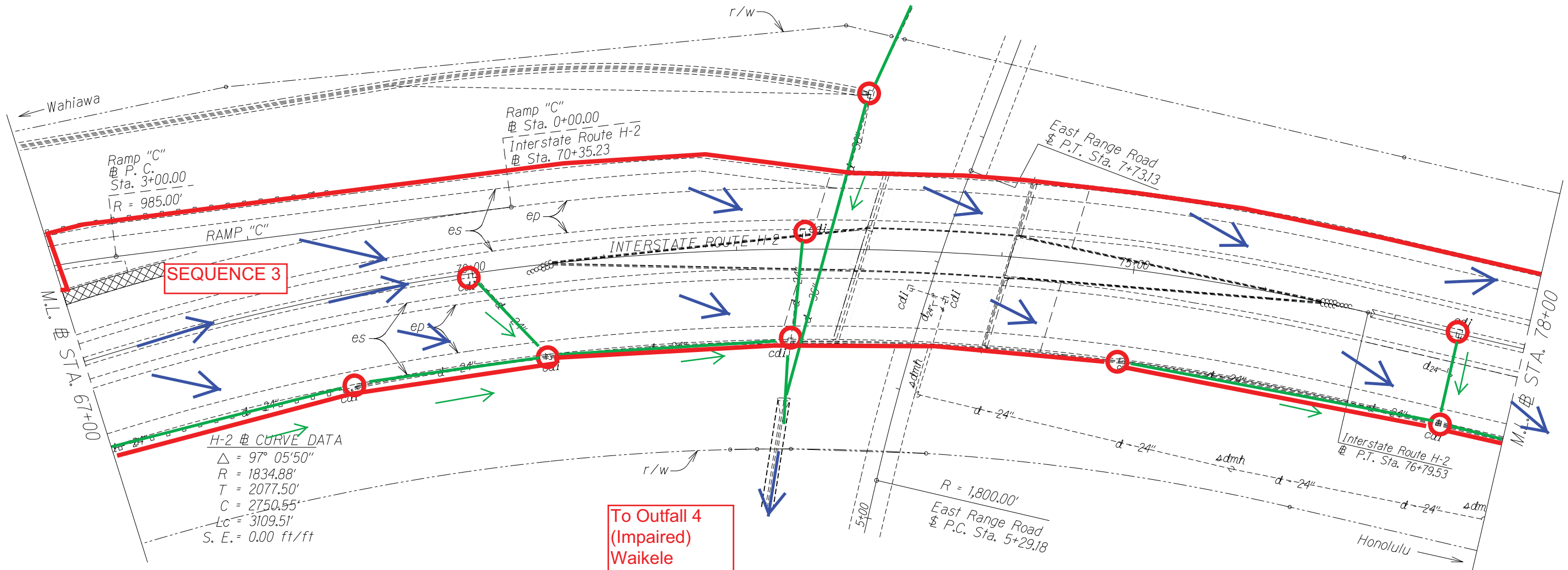
2 CONSTRUCTION SEQUENCE DIAGRAM H-2 STA. 56+00 TO H2 STA. 66+00

- 1) Install Inlet Protection
- 2) Construct Roadway
- 3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLANS
INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY
Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014
SHEET No. 3 OF 33 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

TRUE NORTH
SCALE: 1" = 40'



SEQUENCE 3

H-2 CURVE DATA
 $\Delta = 97^\circ 05'50''$
 $R = 1834.88'$
 $T = 2077.50'$
 $C = 2750.55'$
 $Lc = 3109.51'$
 $S. E. = 0.00 \text{ ft/ft}$

To Outfall 4
(Impaired)
Waikale
Stream

LEGEND

Protect Inlet

Perimeter Sediment Control

3 CONSTRUCTION SEQUENCE DIAGRAM H-2 STA. 66+00 TO H2 STA. 86+00

1) Install Inlet Protection

2) Construct Roadway

3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

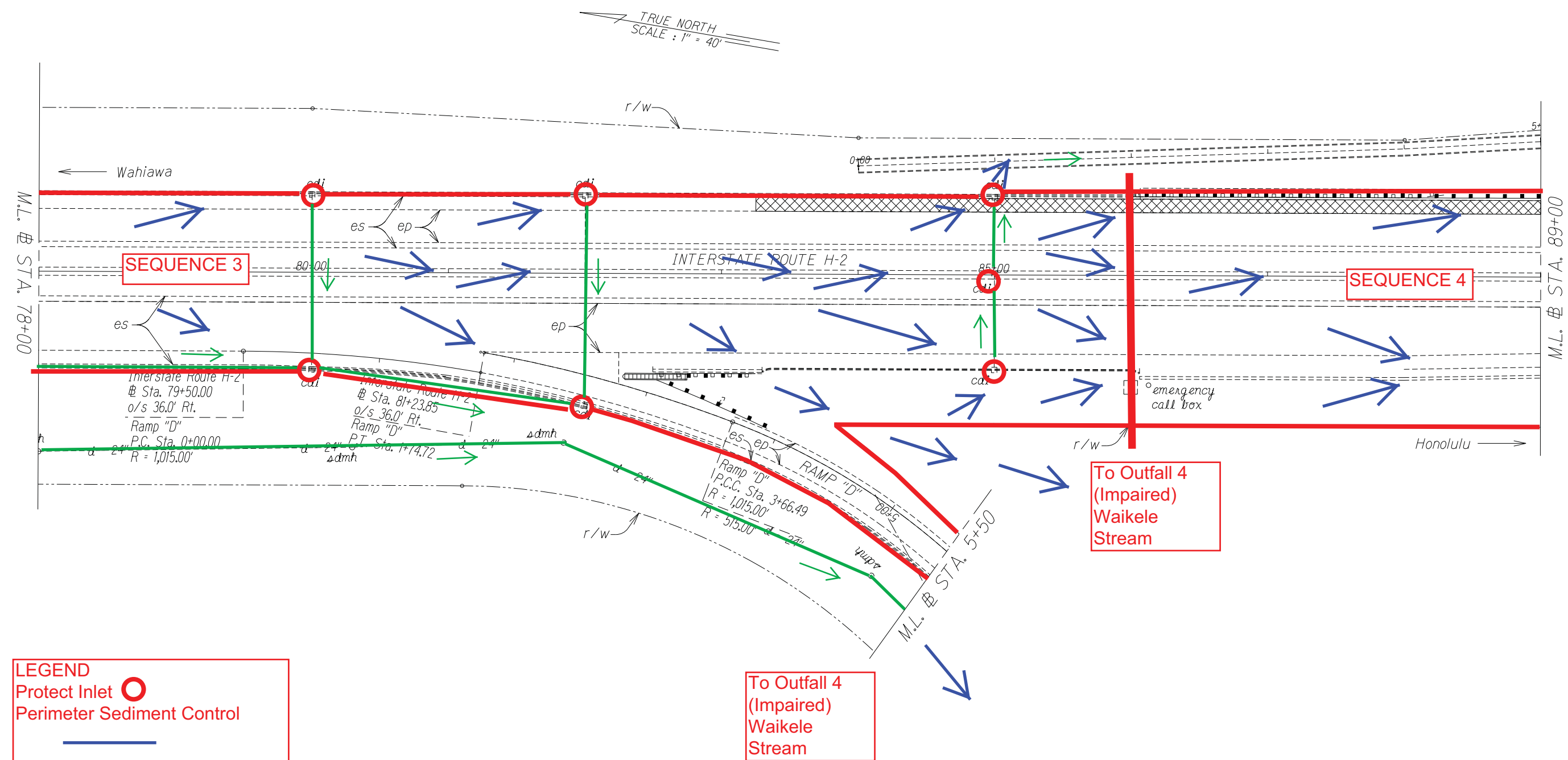
ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY

Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014

SHEET No. 4 OF 33 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

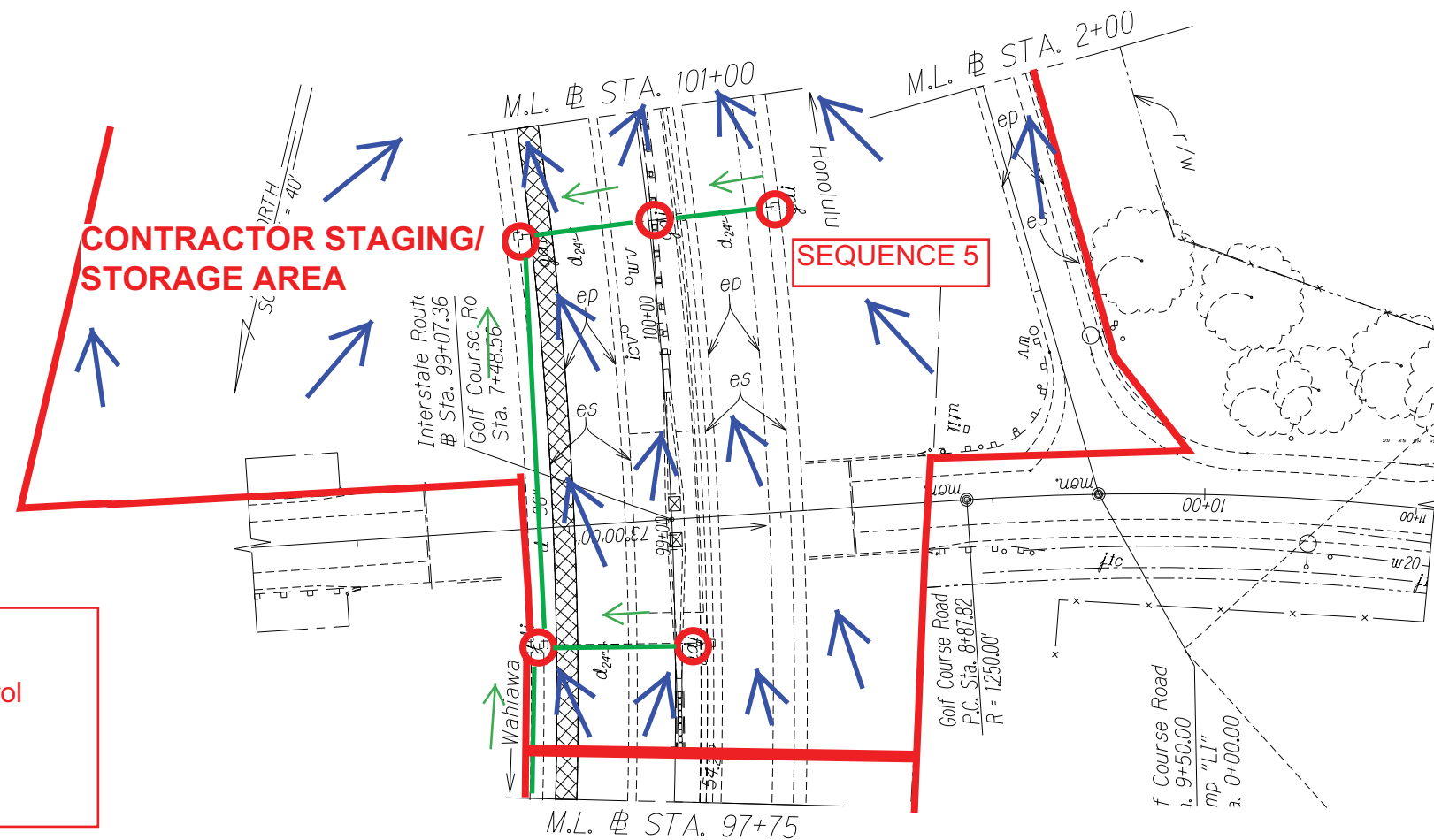


SURVEY PLOTTED BY	DATE
DRAWN BY	
INCHES BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
N ₁	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLANS
*INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY*
Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014
SHEET No. 5 OF 33 SHEETS

4 CONSTRUCTION SEQUENCE DIAGRAM H-2 STA. 86+00 TO H2 STA. 98+00

- 1) Install Inlet Protection
- 2) Construct Roadway
- 3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas



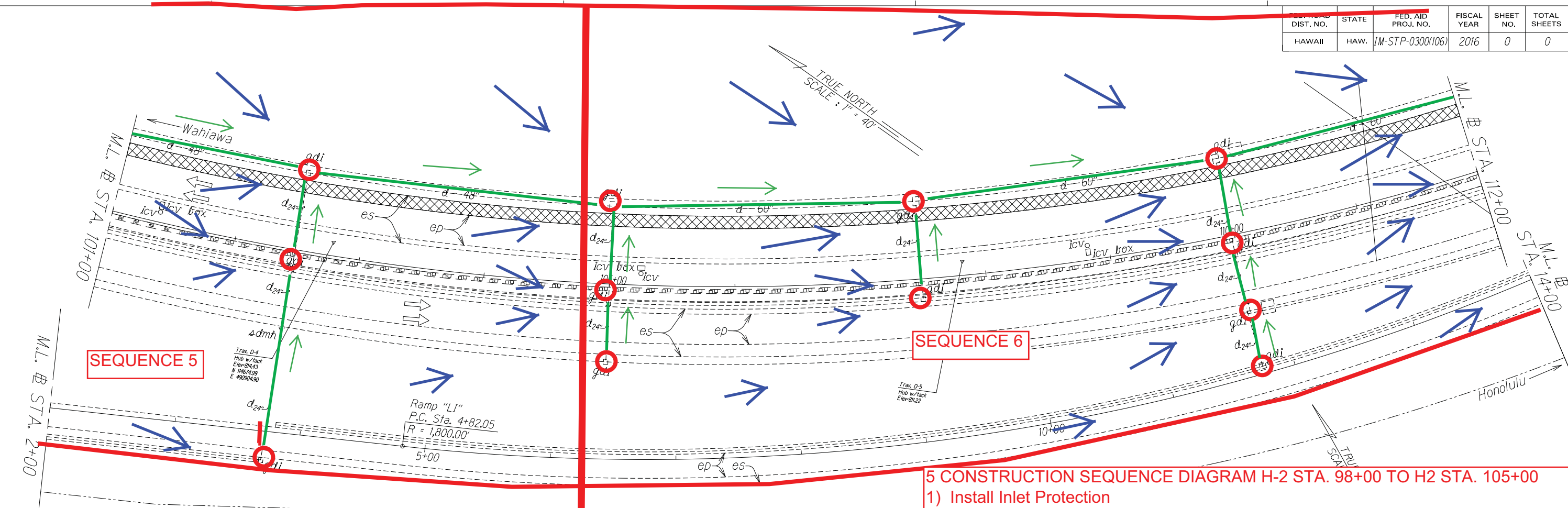
LEGEND

Protect Inlet 

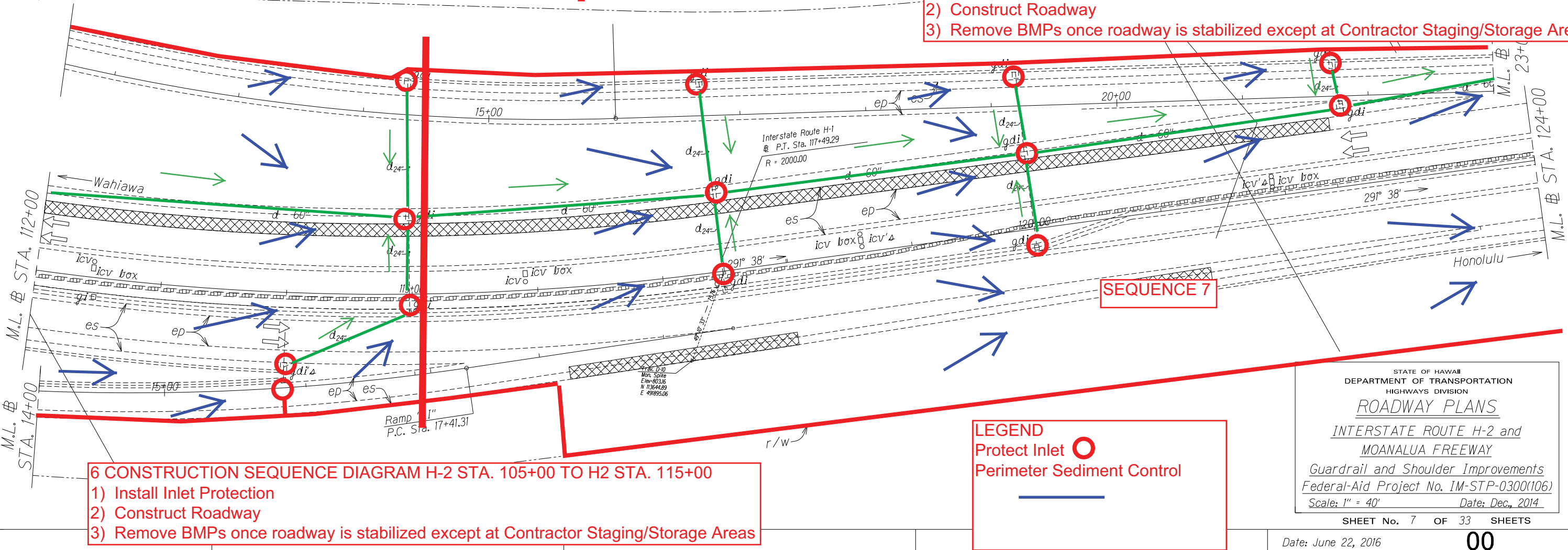
Perimeter Sediment Control 

00

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0



5 CONSTRUCTION SEQUENCE DIAGRAM H-2 STA. 98+00 TO H2 STA. 105+00
1) Install Inlet Protection
2) Construct Roadway
3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas



6 CONSTRUCTION SEQUENCE DIAGRAM H-2 STA. 105+00 TO H2 STA. 115+00
1) Install Inlet Protection
2) Construct Roadway
3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas

LEGEND
Protect Inlet ○
Perimeter Sediment Control —

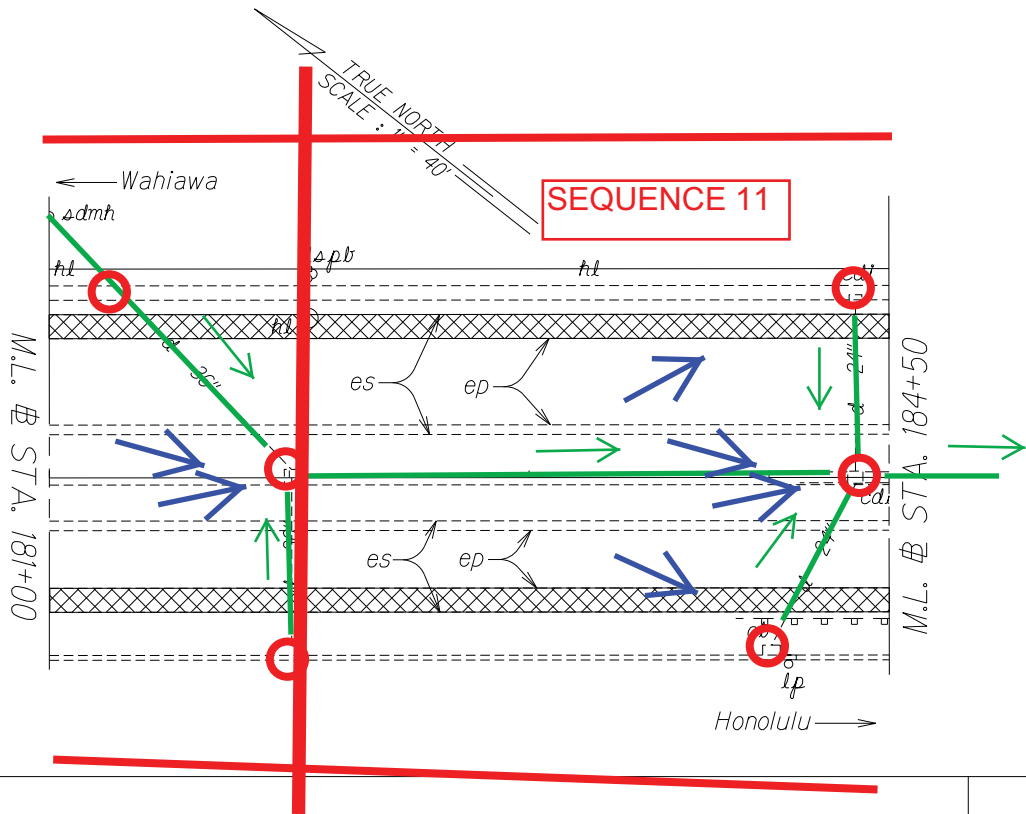
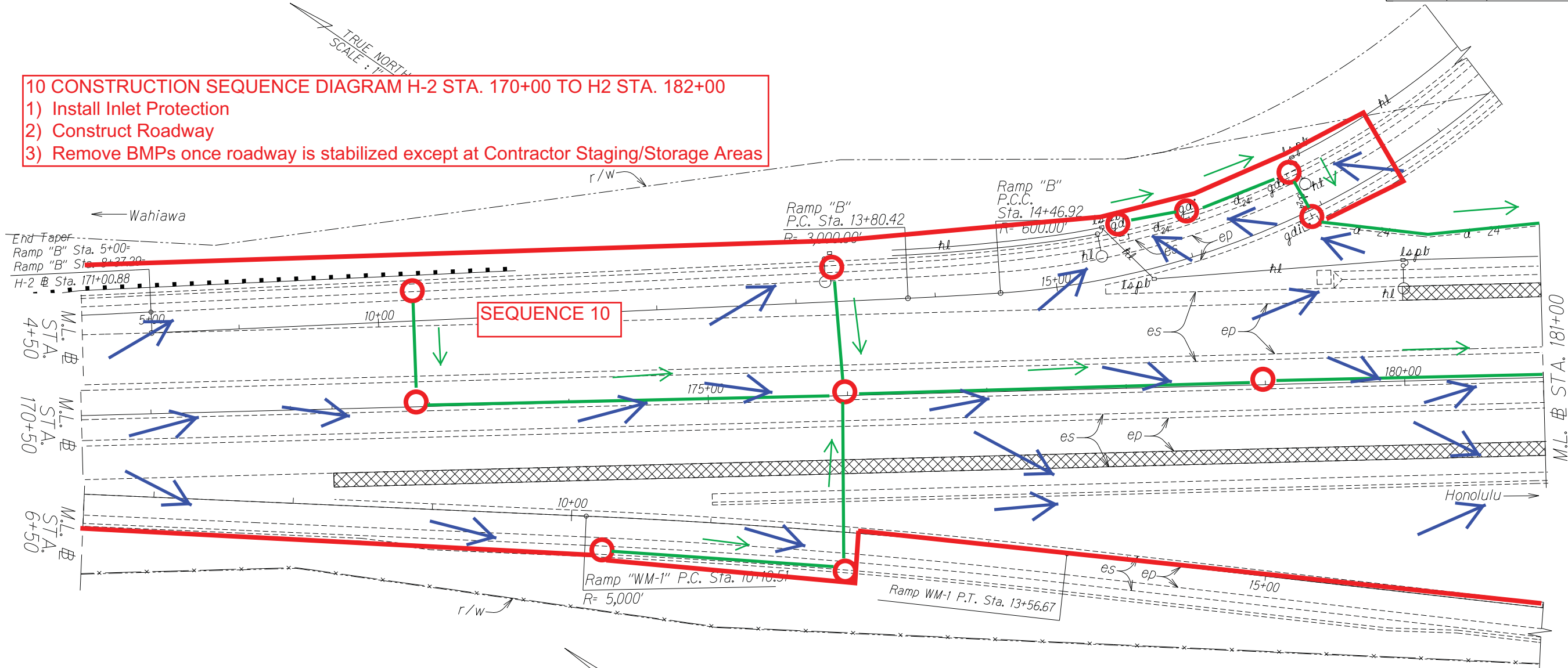
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLANS
INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY
Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014
SHEET No. 7 OF 33 SHEETS

Date: June 22, 2016

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

10 CONSTRUCTION SEQUENCE DIAGRAM H-2 STA. 170+00 TO H2 STA. 182+00

- 1) Install Inlet Protection
- 2) Construct Roadway
- 3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas



LEGEND

Protect Inlet ○

Perimeter Sediment Control —

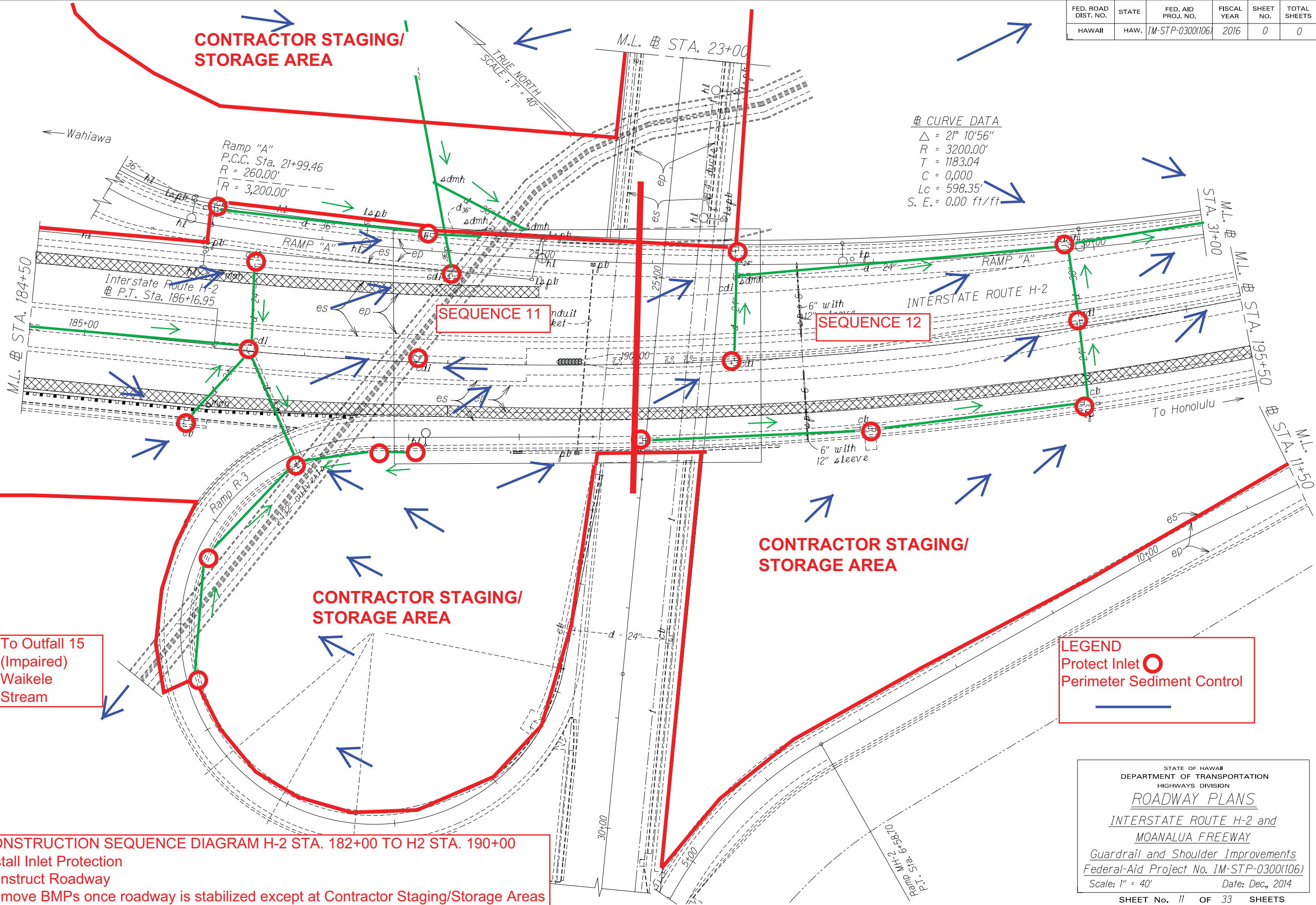
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLANS
INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY
Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014

SHEET No. 10 OF 33 SHEETS

Date: June 22, 2016

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
PLAN	DRAWN BY	
NOTE BOOK	TRACED BY	
	QUANTITIES BY	
	CHECKED BY	
	N.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0



To Outfall 15
(Impaired)
Waialeale
Stream

CONTRACTOR STAGING/
STORAGE AREA

CONTRACTOR STAGING/
STORAGE AREA

LEGEND
Protect Inlet
Perimeter Sediment Control

11 CONSTRUCTION SEQUENCE DIAGRAM H-2 STA. 182+00 TO H2 STA. 190+00
1) Install Inlet Protection
2) Construct Roadway
3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLANS
INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY
Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014

SHEET No. 11 OF 33 SHEETS

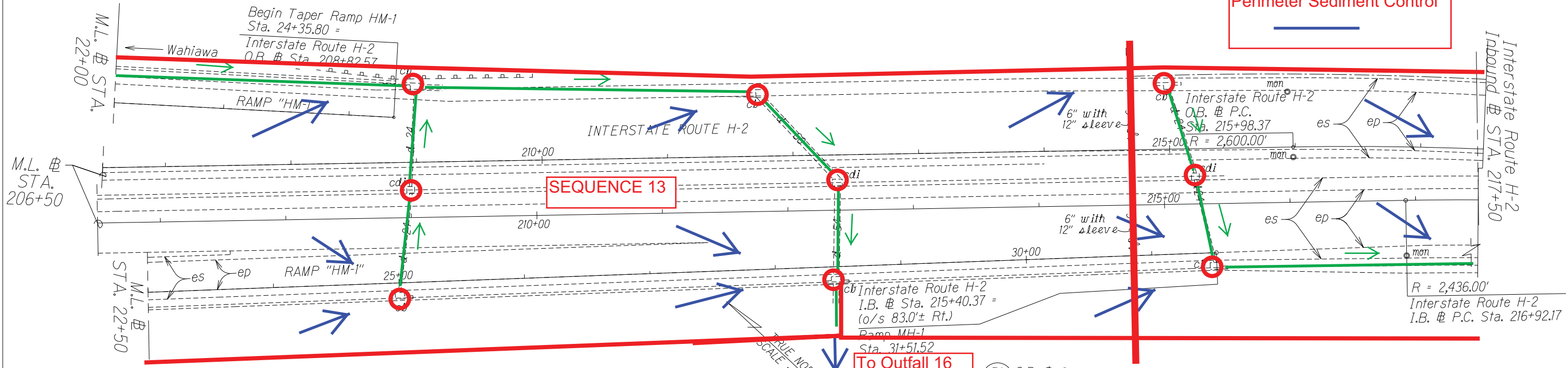
Date: June 22, 2016

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

LEGEND

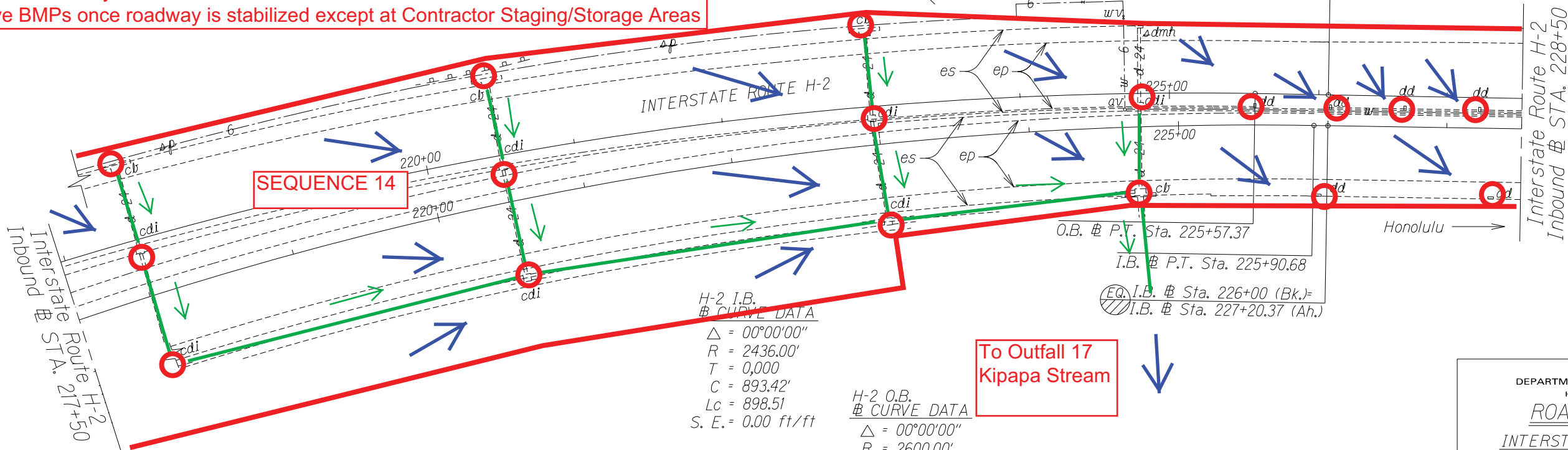
Protect Inlet 

Perimeter Sediment Control 



13 CONSTRUCTION SEQUENCE DIAGRAM H-2 STA. 203+00 TO H2 STA. 215+00

- 1) Install Inlet Protection
- 2) Construct Roadway
- 3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas



14 CONSTRUCTION SEQUENCE DIAGRAM H-2 STA. 215+00 TO H2 STA. 230+00

- 1) Install Inlet Protection
- 2) Construct Roadway
- 3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas

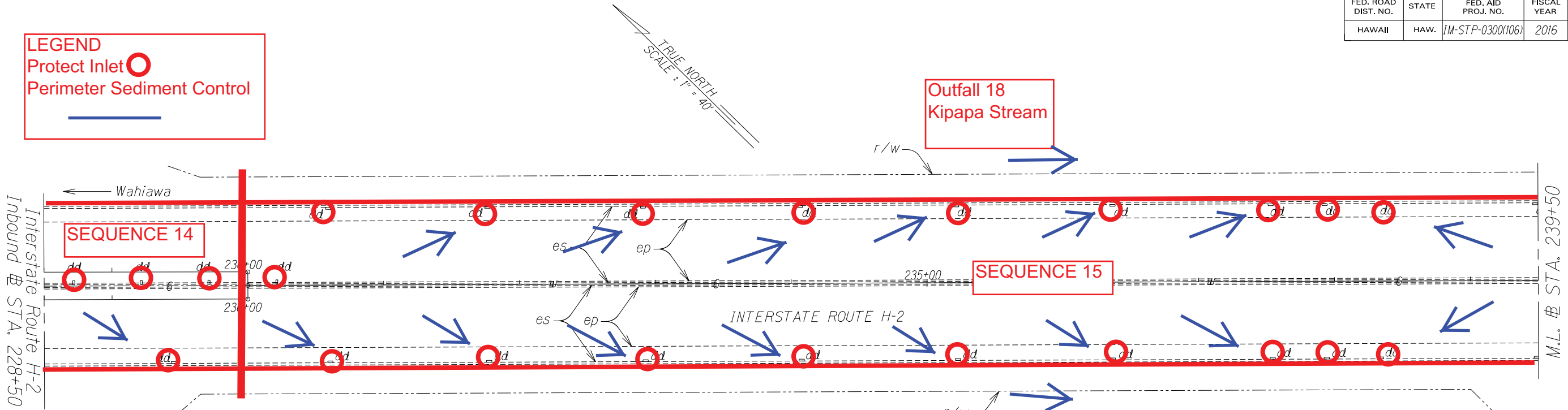
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLANS
INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY
Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014
SHEET No. 14 OF 33 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

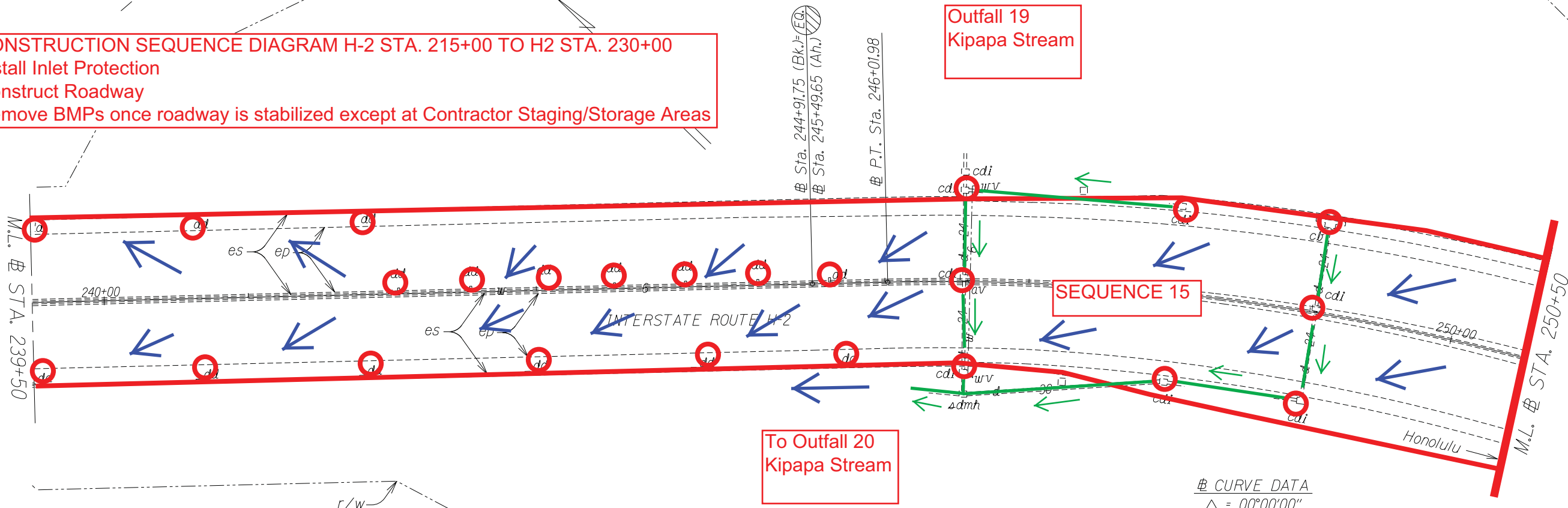
LEGEND

Protect Inlet

Perimeter Sediment Control



- 14 CONSTRUCTION SEQUENCE DIAGRAM H-2 STA. 215+00 TO H2 STA. 230+00
- 1) Install Inlet Protection
 - 2) Construct Roadway
 - 3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas



- 15 CONSTRUCTION SEQUENCE DIAGRAM H-2 STA. 230+00 TO H2 STA. 250+50
- 1) Install Inlet Protection
 - 2) Construct Roadway
 - 3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas

CURVE DATA
 $\Delta = 00^{\circ}00'00''$
 $R = 2500.00'$
 $T = 0,000$
 $C = 794.38'$
 $Lc = 797.76'$
 $S. E. = 0.00 \text{ ft/ft}$

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY

Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)

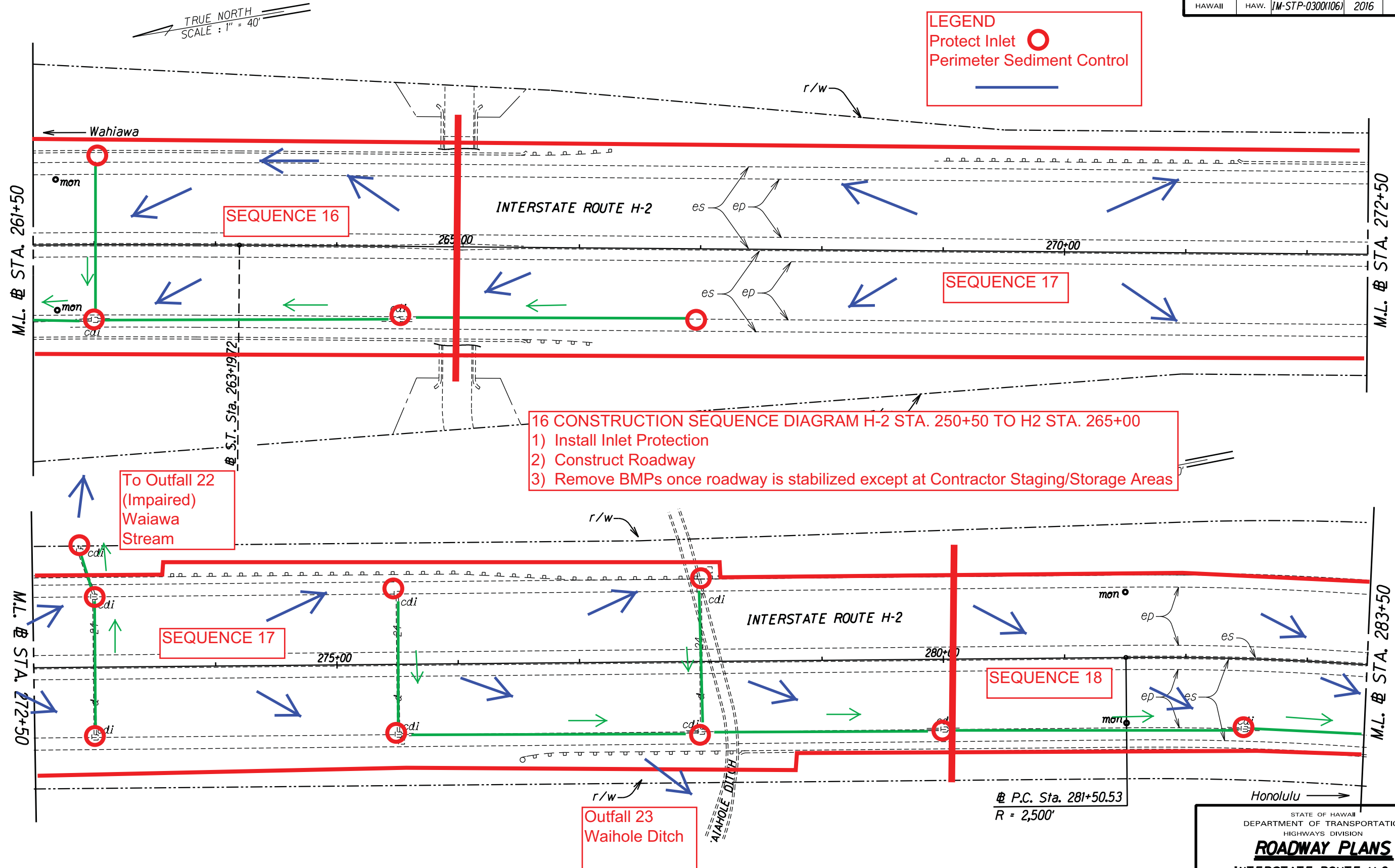
Scale: 1" = 40' Date: Dec., 2014

SHEET No. 15 OF 33 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

TRUE NORTH
SCALE: 1" = 40'

LEGEND
Protect Inlet ○
Perimeter Sediment Control —



SEQUENCE 16

SEQUENCE 17

16 CONSTRUCTION SEQUENCE DIAGRAM H-2 STA. 250+50 TO H2 STA. 265+00
1) Install Inlet Protection
2) Construct Roadway
3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas

To Outfall 22
(Impaired)
Waiawa
Stream

SEQUENCE 17

SEQUENCE 18

Outfall 23
Waihole Ditch

17 CONSTRUCTION SEQUENCE DIAGRAM H-2 STA. 265+00 TO H2 STA. 280+00
1) Install Inlet Protection
2) Construct Roadway
3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLANS
INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY
Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014
SHEET No. 17 OF 33 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

LEGEND

Protect Inlet 

Perimeter Sediment Control 

To Outfall 24
(Impaired)
Waiawa
Stream

To Outfall 25
(Impaired)
Waiawa
Stream

SEQUENCE 19

SEQUENCE 18

SURVEY PLOTTED BY	DATE
DRAWN BY	
INCHES BY	
QUANTITIES BY	
CHECKED BY	

18 CONSTRUCTION SEQUENCE DIAGRAM H-2 STA. 280+00 TO H2 STA. 298+00

- 1) Install Inlet Protection
- 2) Construct Roadway
- 3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY

Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)

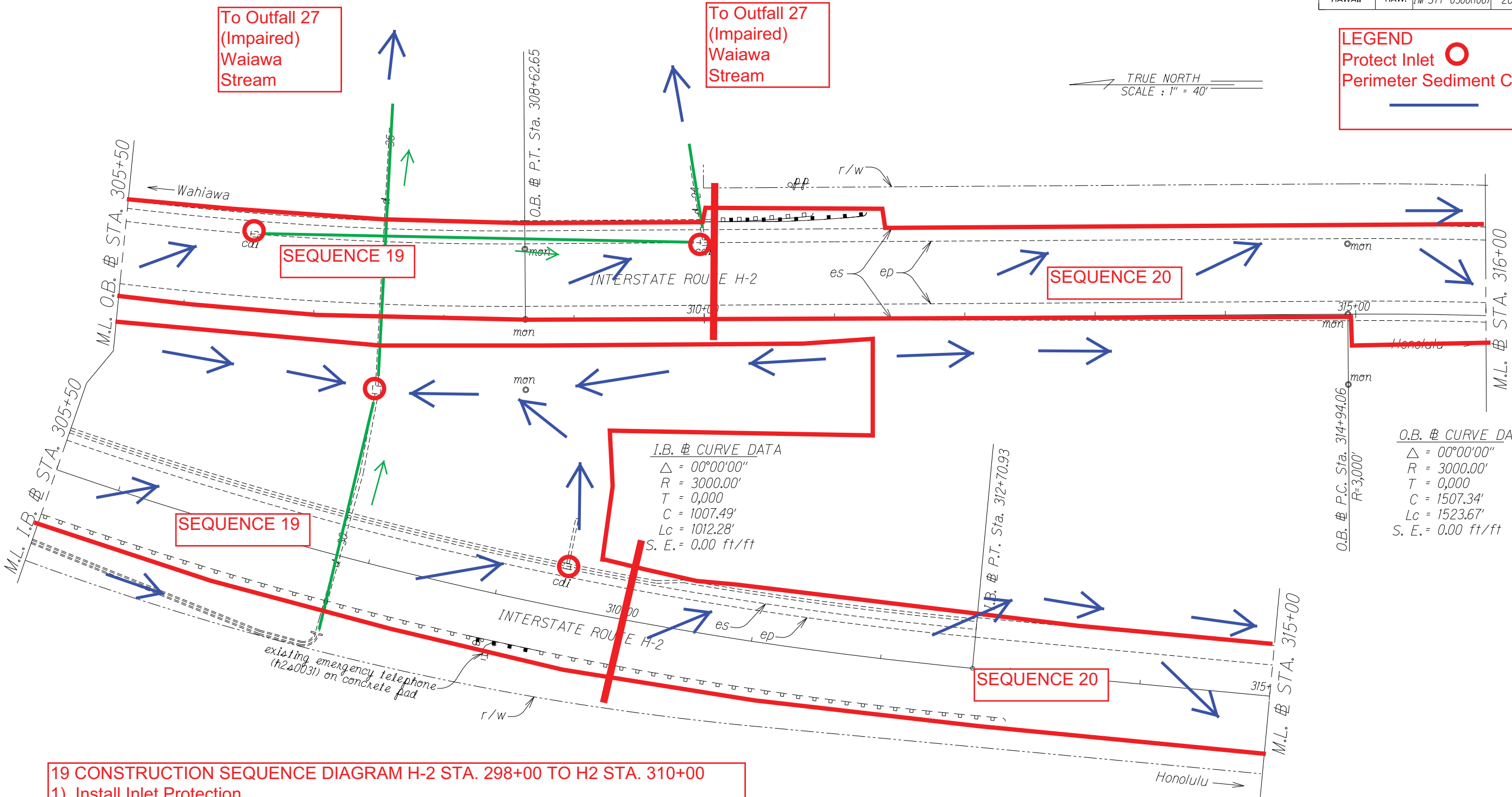
Scale: 1" = 40' Date: Dec., 2014

SHEET No. 18 OF 33 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

LEGEND
Protect Inlet 
Perimeter Sediment Control 

TRUE NORTH
SCALE : 1" = 40'



I.B. # CURVE DATA

$\Delta = 00^{\circ}00'00''$
 $R = 3000.00'$
 $T = 0.000$
 $C = 1007.49'$
 $Lc = 1012.28'$
 $S. E. = 0.00 \text{ ft/ft}$

O.B. # CURVE DATA

$\Delta = 00^{\circ}00'00''$
 $R = 3000.00'$
 $T = 0.000$
 $C = 1507.34'$
 $Lc = 1523.67'$
 $S. E. = 0.00 \text{ ft/ft}$

19 CONSTRUCTION SEQUENCE DIAGRAM H-2 STA. 298+00 TO H2 STA. 310+00
1) Install Inlet Protection
2) Construct Roadway
3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas

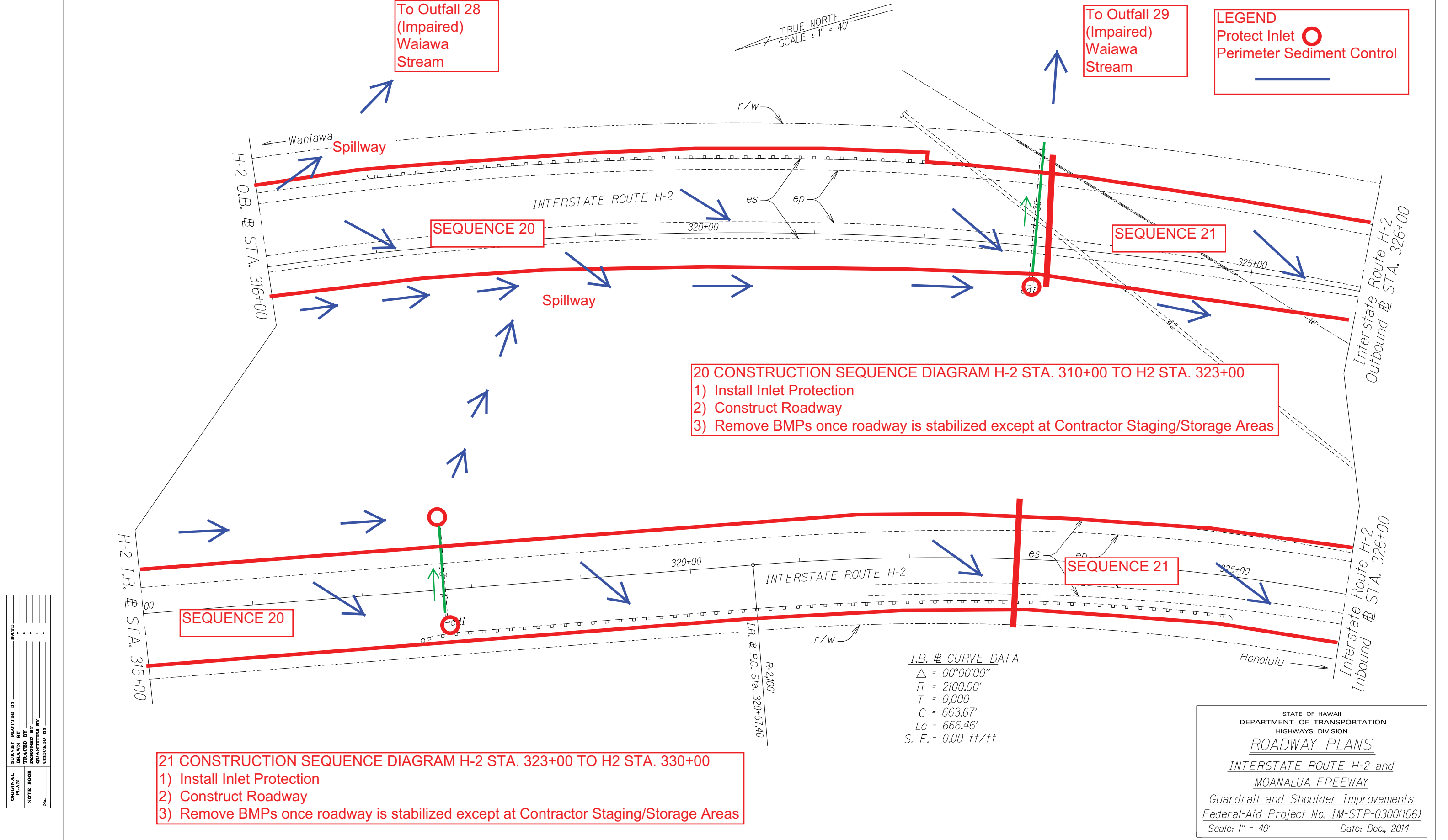
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLANS
INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY
Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014
SHEET No. 19 OF 33 SHEETS

Date June 27, 2016

00

SURVEY PLOTTED BY	DATE
DRAWN BY	
INCHES BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
N.	

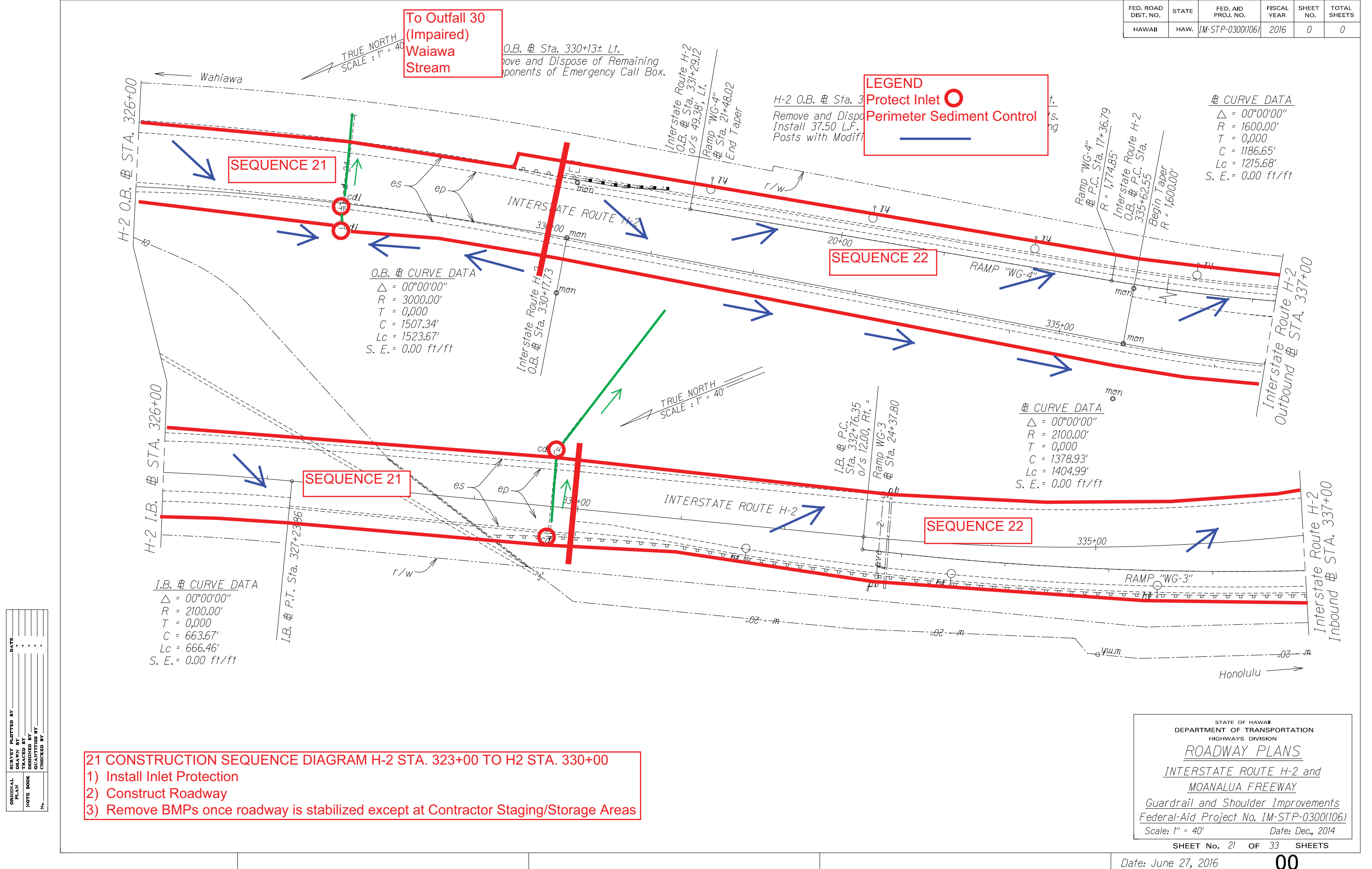
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0



SURVEY PLOTTED BY	DATE
DRAWN BY	
INCHES BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
N.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLANS
*INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY*
Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0



To Outfall 30
(Impaired)
Waiawa
Stream

LEGEND
Protect Inlet ○
Perimeter Sediment Control —

CURVE DATA
 $\Delta = 00^{\circ}00'00''$
 $R = 1600.00'$
 $T = 0,000$
 $C = 1186.65'$
 $Lc = 1215.68'$
 $S. E. = 0.00 \text{ ft/ft}$

O.B. # CURVE DATA
 $\Delta = 00^{\circ}00'00''$
 $R = 3000.00'$
 $T = 0,000$
 $C = 1507.34'$
 $Lc = 1523.67'$
 $S. E. = 0.00 \text{ ft/ft}$

CURVE DATA
 $\Delta = 00^{\circ}00'00''$
 $R = 2100.00'$
 $T = 0,000$
 $C = 1378.93'$
 $Lc = 1404.99'$
 $S. E. = 0.00 \text{ ft/ft}$

I.B. # CURVE DATA
 $\Delta = 00^{\circ}00'00''$
 $R = 2100.00'$
 $T = 0,000$
 $C = 663.67'$
 $Lc = 666.46'$
 $S. E. = 0.00 \text{ ft/ft}$

21 CONSTRUCTION SEQUENCE DIAGRAM H-2 STA. 323+00 TO H2 STA. 330+00
1) Install Inlet Protection
2) Construct Roadway
3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLANS
INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY
Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014
SHEET No. 21 OF 33 SHEETS

Date: June 27, 2016

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

H-2 O.B. @ Sta. 343+24± to
H-2 O.B. @ Sta. 348+96± Lt.

Remove and Dispose of
572 L.F. of Guardrail
and Posts.

LEGEND
Protect Inlet ○
Perimeter Sediment Control —

TRUE NORTH
SCALE : 1" = 40'

△ CURVE DATA
△ = 00°00'00"
R = 1600.00'
T = 0,000
C = 1186.65'
Lc = 1215.68'
S. E. = 0.00 ft/ft

To Outfall 31
(Impaired)
Waiawa
Stream

To Outfall 32
(Impaired)
Waiawa
Stream

SEQUENCE 22

CONTRACTOR STAGING/
STORAGE AREA

Spillway

△ CURVE DATA
△ = 00°00'00"
R = 2100.00'
T = 0,000
C = 1378.93'
Lc = 1404.99'
S. E. = 0.00 ft/ft

22 CONSTRUCTION SEQUENCE DIAGRAM H-2 STA. 330+00 TO H2 STA. 348+50
1) Install Inlet Protection
2) Construct Roadway
3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLANS
INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY
Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014
SHEET No. 22 OF 33 SHEETS

Date: June 27, 2016

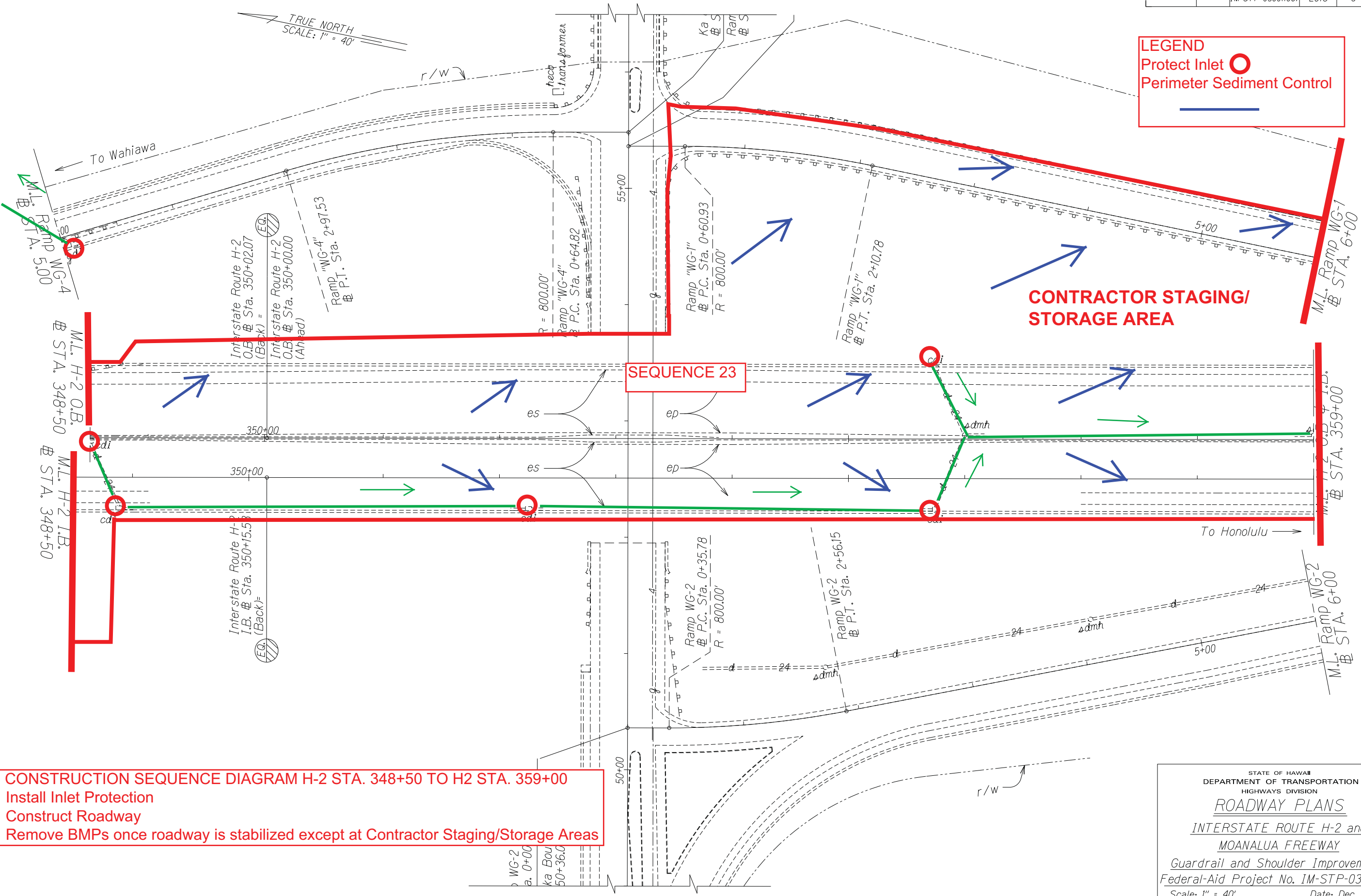
00

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

LEGEND

Protect Inlet 

Perimeter Sediment Control 



23 CONSTRUCTION SEQUENCE DIAGRAM H-2 STA. 348+50 TO H2 STA. 359+00

- 1) Install Inlet Protection
- 2) Construct Roadway
- 3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

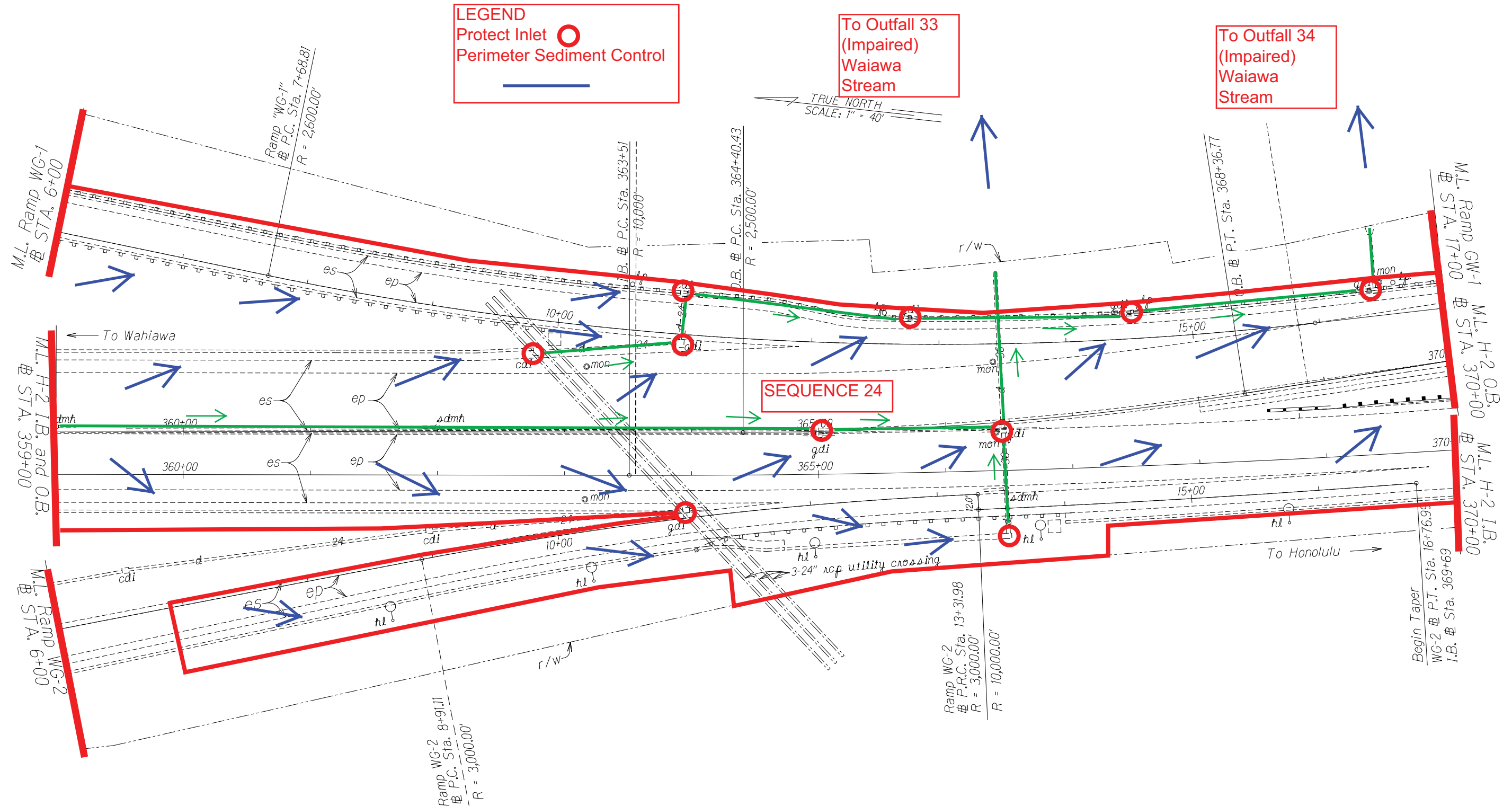
ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY

Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	INTEGRATED BY	
	QUANTITIES BY	
	CHECKED BY	
	N.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0



24 CONSTRUCTION SEQUENCE DIAGRAM H-2 STA. 359+00 TO H2 STA. 370+00

- 1) Install Inlet Protection
- 2) Construct Roadway
- 3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas

ORIGINAL PLAN	SURVEY PLOTTED BY _____	DATE _____
	DRAWN BY _____	•
	TRACED BY _____	•
	DESIGNED BY _____	•
	QUANTITIES BY _____	•
No. _____	CHECKED BY _____	•
		•

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY

Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)

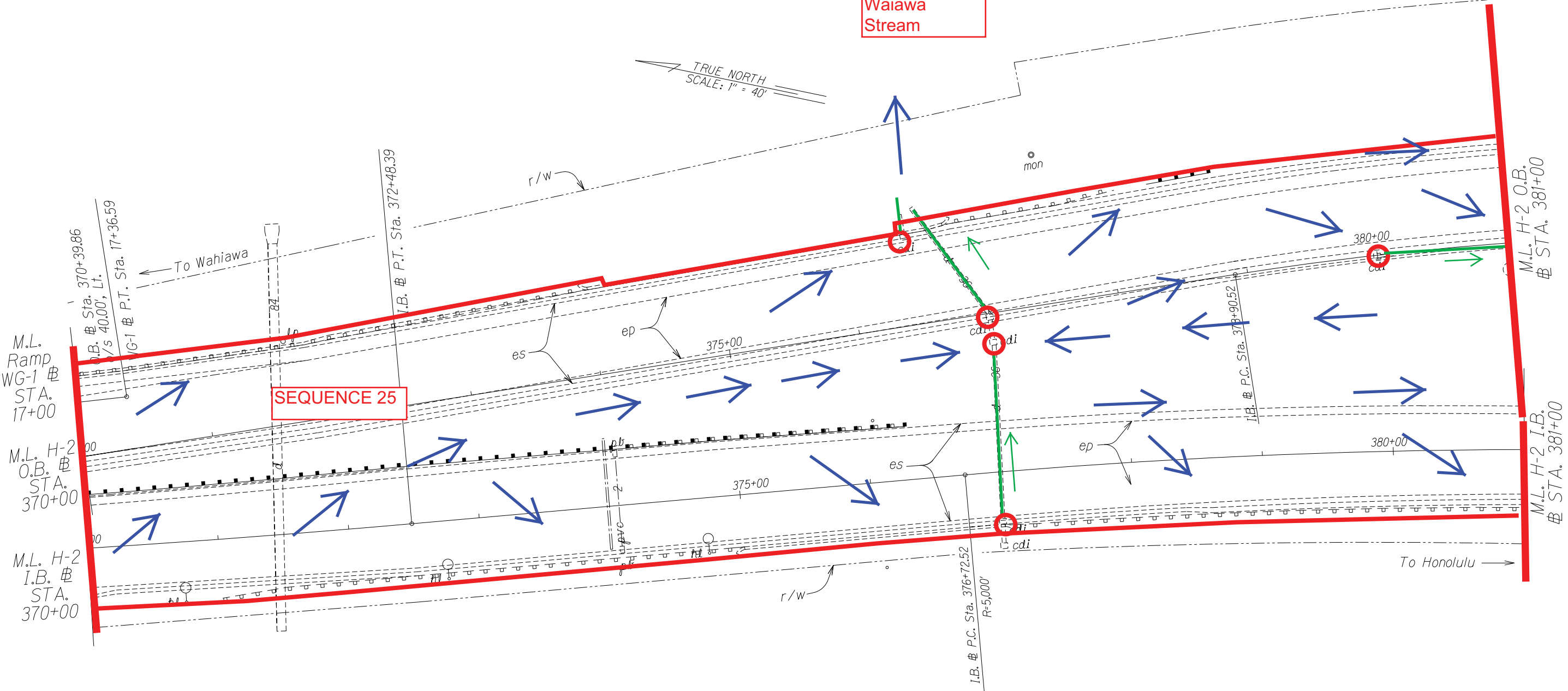
Scale: 1" = 40' Date: Dec., 2014

SHEET No. 24 OF 33 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

LEGEND
Protect Inlet 
Perimeter Sediment Control 

To Outfall 35
(Impaired)
Waiawa
Stream



25 CONSTRUCTION SEQUENCE DIAGRAM H-2 STA. 370+00 TO H2 STA. 381+00
1) Install Inlet Protection
2) Construct Roadway
3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLANS
*INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY*
Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014
SHEET No. 25 OF 33 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	
INCHES BY	
QUANTITIES BY	
CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

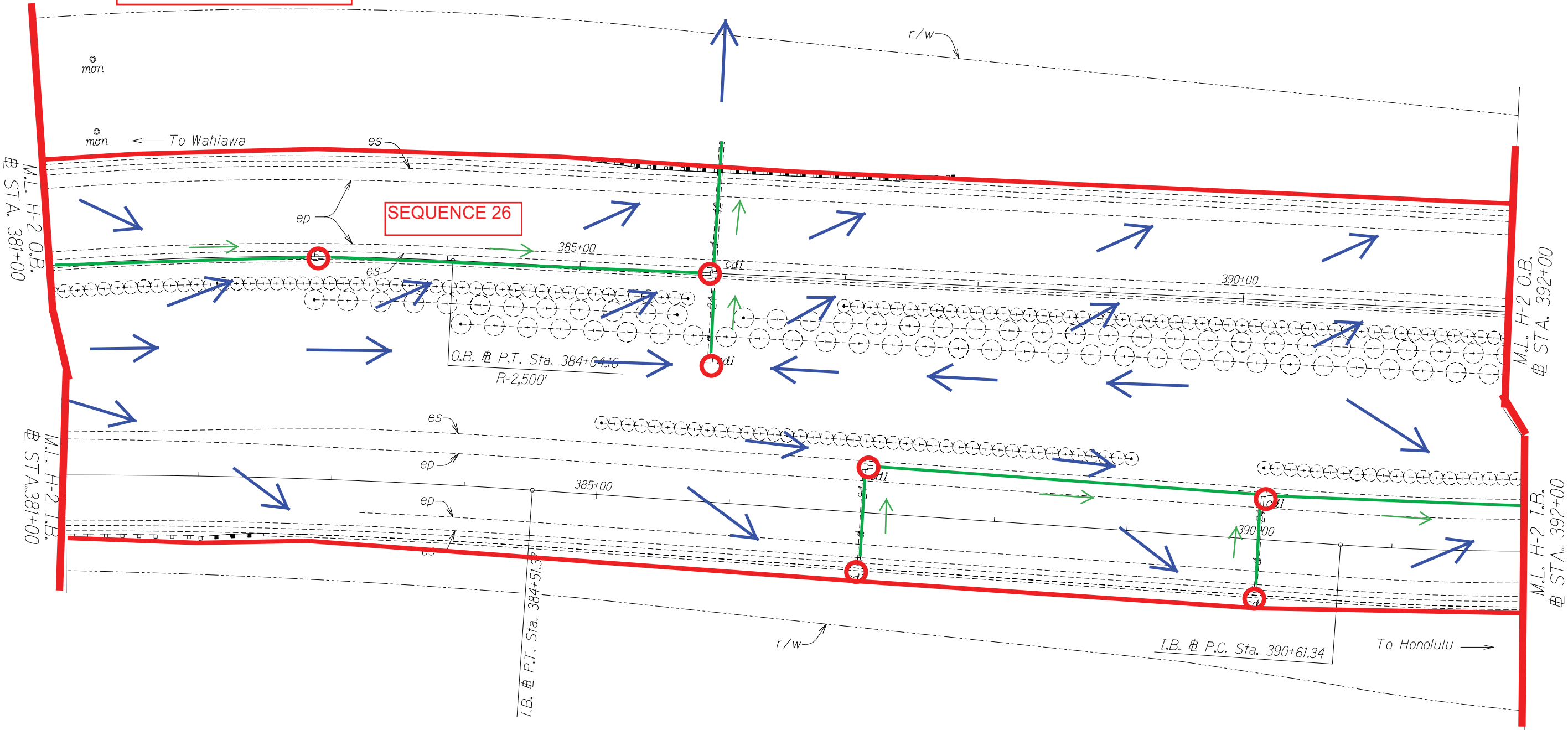
LEGEND

Protect Inlet 

Perimeter Sediment Control 

To Outfall 36
(Impaired)
Waiawa
Stream

TRUE NORTH
SCALE: 1" = 40'



26 CONSTRUCTION SEQUENCE DIAGRAM H-2 STA. 381+00 TO H2 STA. 392+00

- 1) Install Inlet Protection
- 2) Construct Roadway
- 3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

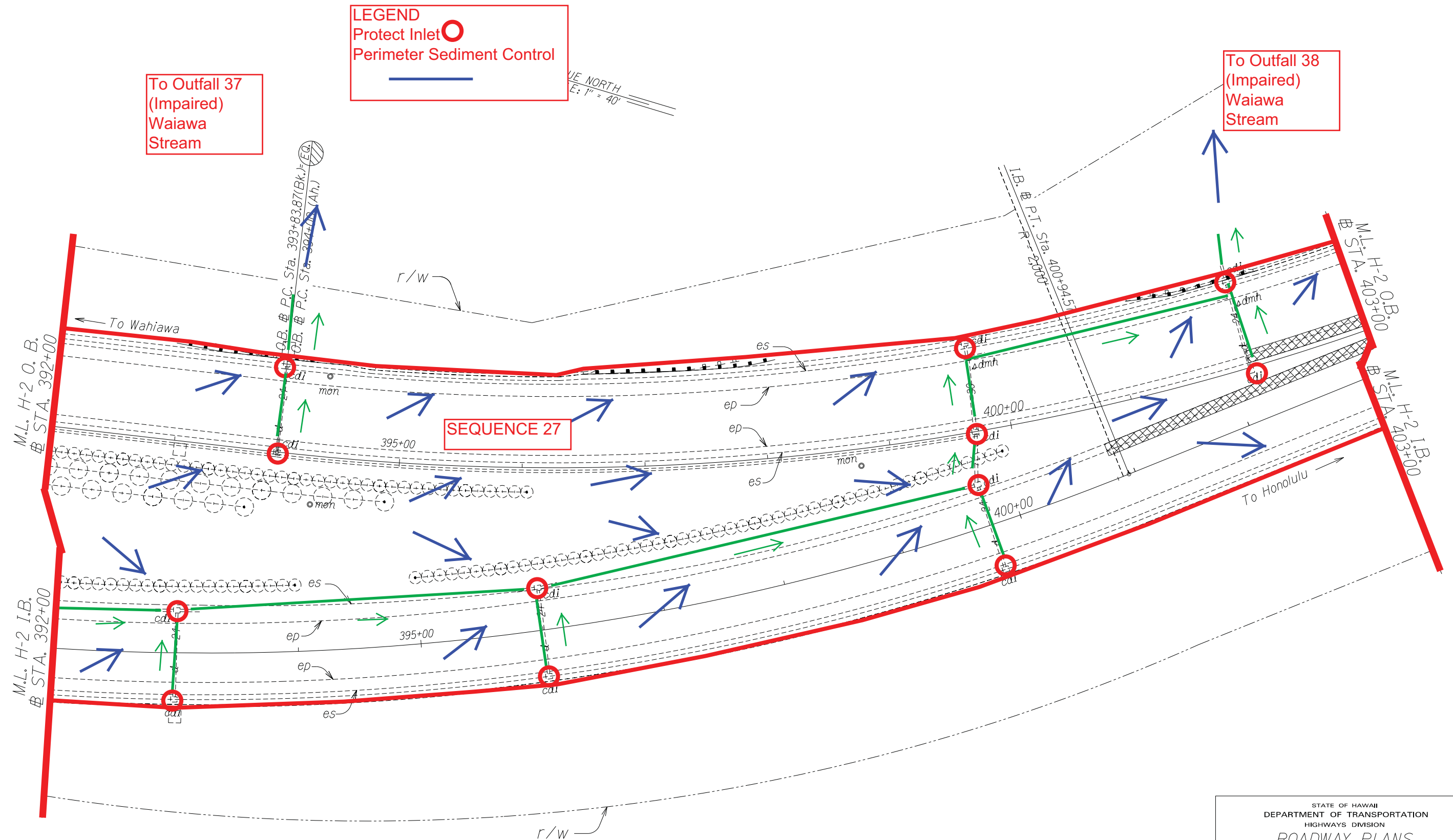
INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY

Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)

Scale: 1" = 40' Date: Dec., 2014

SHEET No. 26 OF 33 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0



- 27 CONSTRUCTION SEQUENCE DIAGRAM H-2 STA. 392+00 TO H2 STA. 403+00**
- 1) Install Inlet Protection
 - 2) Construct Roadway
 - 3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
NOTE BOOK	DRAWN BY _____ *
	TRACED BY _____ *
	DESIGNED BY _____ *
	QUANTITIES BY _____ *
No. _____	CHECKED BY _____

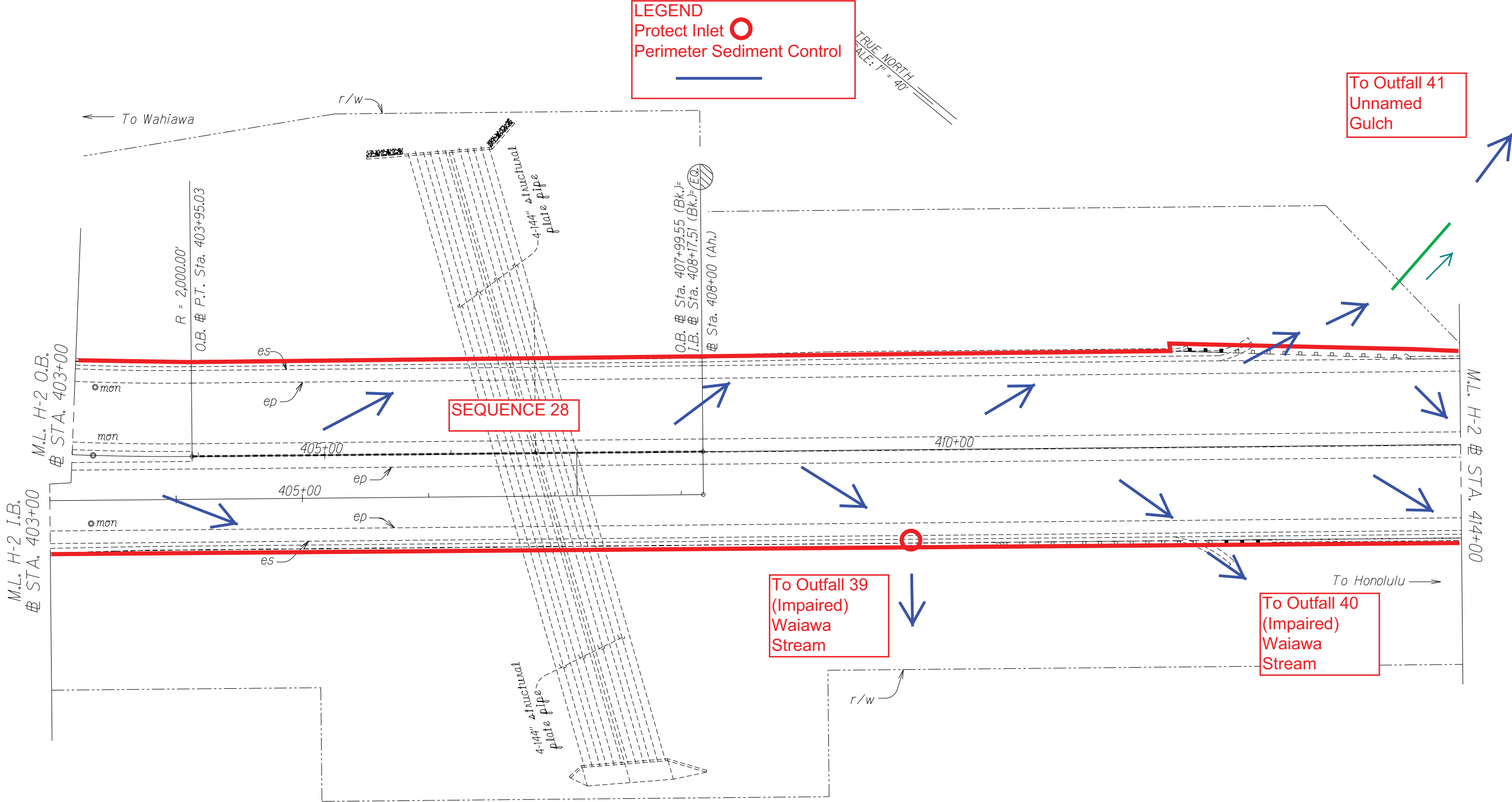
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLANS
INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY
Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014
SHEET No. 27 OF 33 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

LEGEND

Protect Inlet

Perimeter Sediment Control



28 CONSTRUCTION SEQUENCE DIAGRAM H-2 STA. 403+00 TO H2 STA. 419+00

- 1) Install Inlet Protection
- 2) Construct Roadway
- 3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas

SURVEY PLOTTED BY	DATE
DRAWN BY	
INCHES BY	
QUANTITIES BY	
CHECKED BY	
N.	

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and

MOANALUA FREEWAY

Guardrail and Shoulder Improvements

Federal-Aid Project No. IM-STP-0300(106)

Scale: 1" = 40'

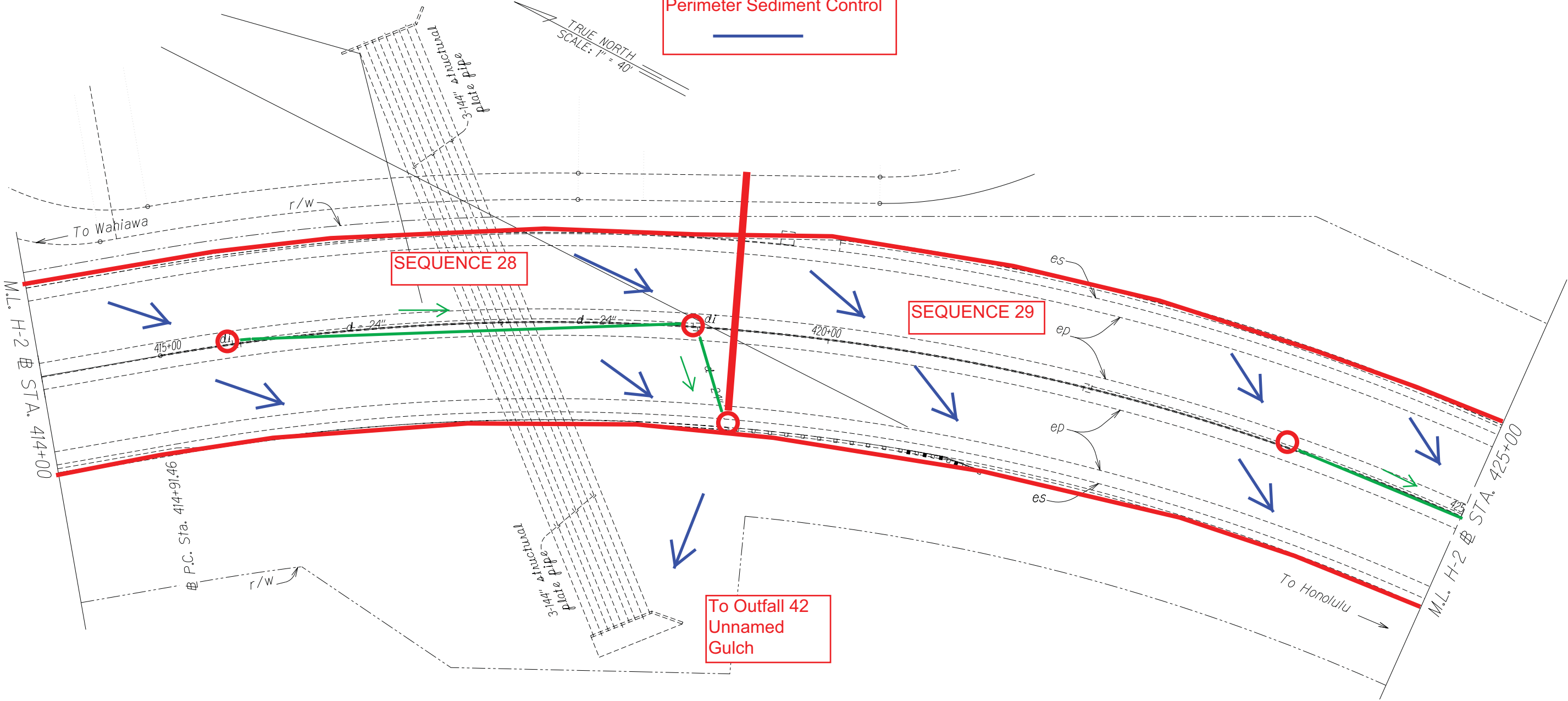
Date: Dec., 2014

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

LEGEND

Protect Inlet

Perimeter Sediment Control



28 CONSTRUCTION SEQUENCE DIAGRAM H-2 STA. 403+00 TO H2 STA. 419+00

- 1) Install Inlet Protection
- 2) Construct Roadway
- 3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY

Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)

Scale: 1" = 40' Date: Dec., 2014

SHEET No. 30 OF 33 SHEETS

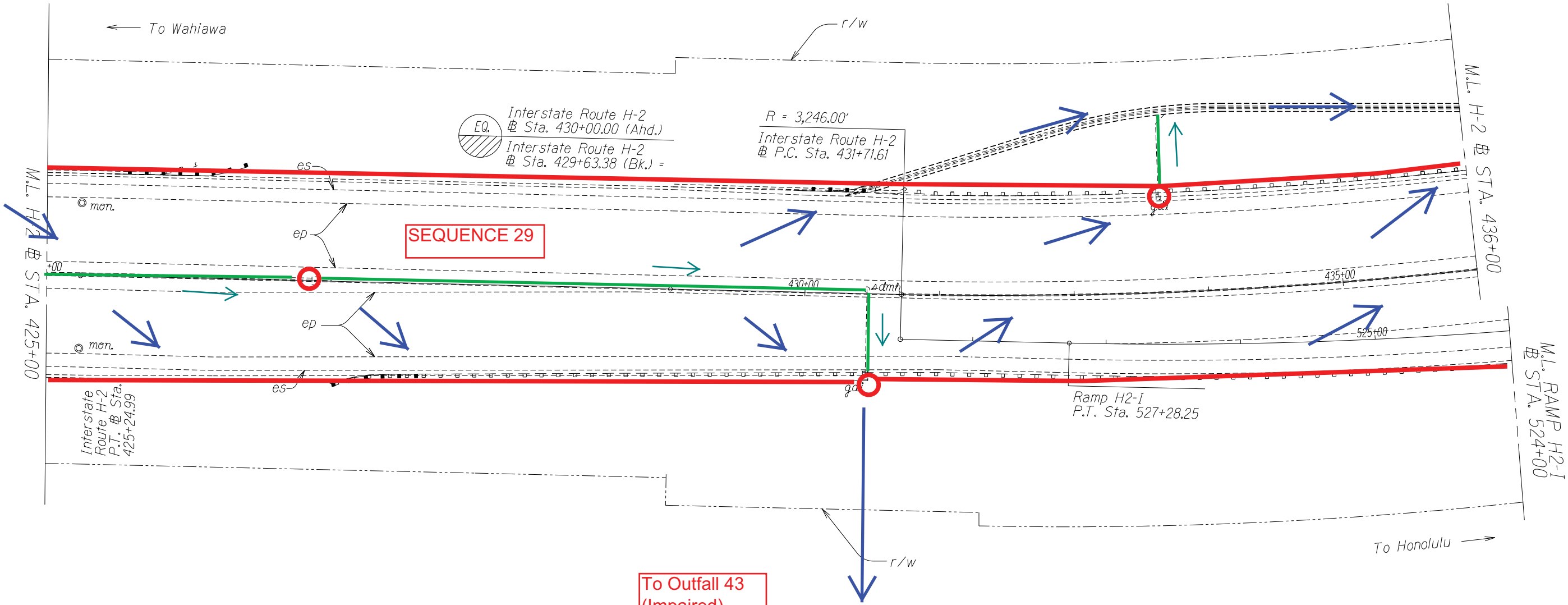
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

LEGEND

Protect Inlet 

Perimeter Sediment Control 

TRUE NORTH
SCALE: 1" = 40'



SURVEY PLOTTED BY	DATE
DRAWN BY	
CHECKED BY	
INCHES BY	
QUANTITIES BY	
CHECKED BY	
PLAN	
NOTE BOOK	
N.	

29 CONSTRUCTION SEQUENCE DIAGRAM H-2 STA. 419+00 TO H2 STA. 437+00

- 1) Install Inlet Protection
- 2) Construct Roadway
- 3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

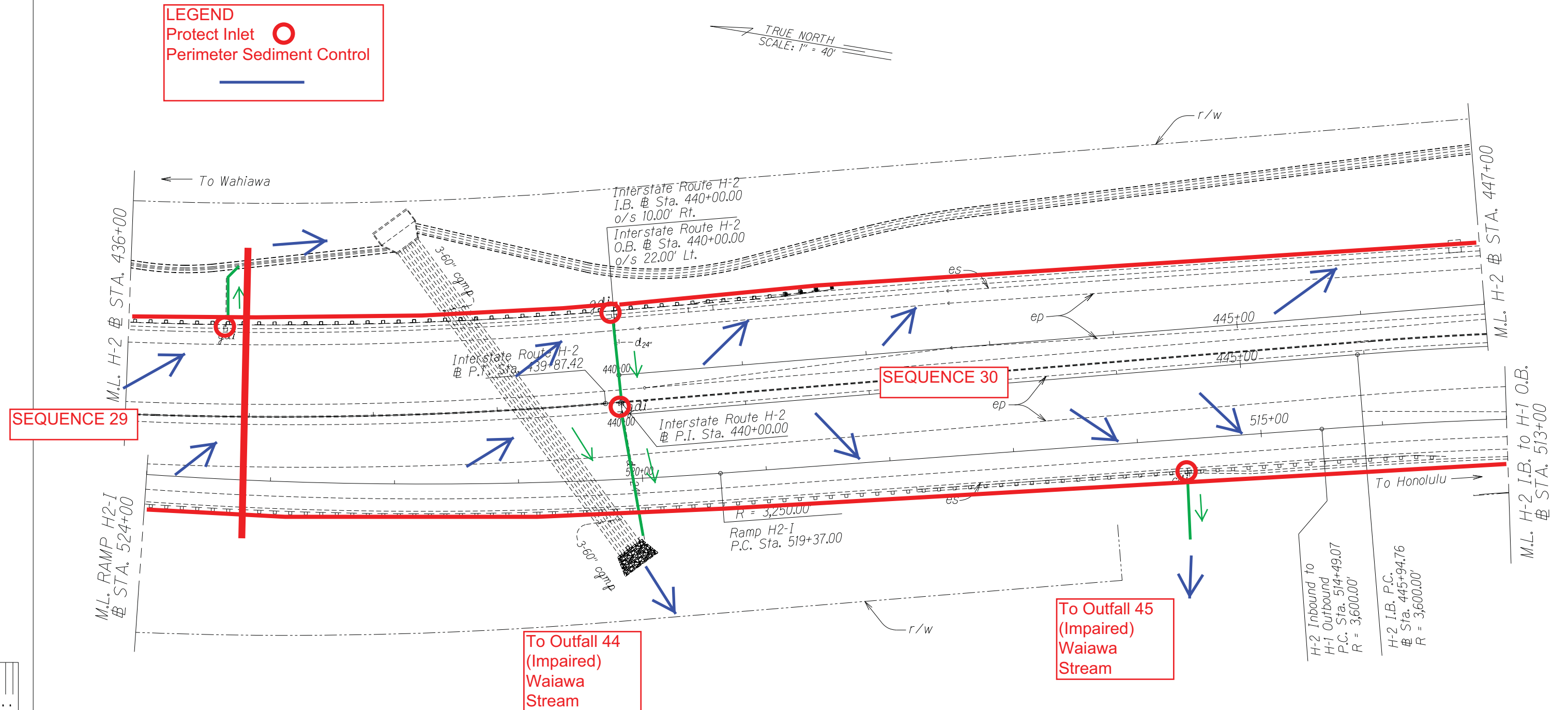
INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY

Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)

Scale: 1" = 40' Date: Dec., 2014

SHEET No. 31 OF 33 SHEETS

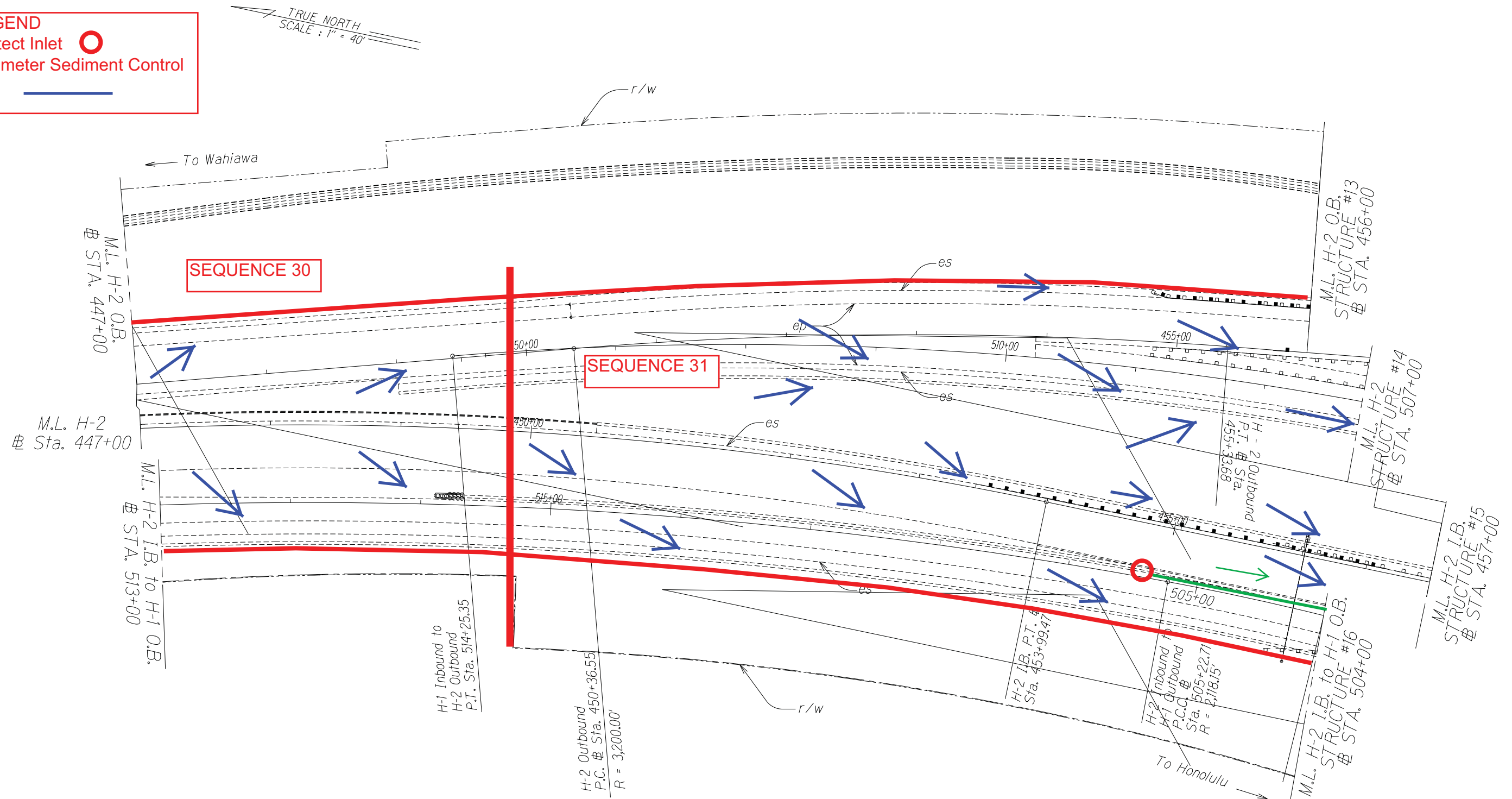
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0



- 30 CONSTRUCTION SEQUENCE DIAGRAM H-2 STA. 437+00 TO H2 STA. 450+00
- 1) Install Inlet Protection
 - 2) Construct Roadway
 - 3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLANS
INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY
Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014
SHEET No. 32 OF 33 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0



31 CONSTRUCTION SEQUENCE DIAGRAM H-2 STA. 450+00 TO END H2 PROJECT

- 1) Install Inlet Protection
- 2) Construct Roadway
- 3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY

Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)

Scale: 1" = 40' Date: Dec., 2014

SHEET No. 33 OF 33 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
NOTE BOOK	DRAWN BY _____ *
	TRACED BY _____ *
	DESIGNED BY _____ *
	QUANTITIES BY _____ *
No. _____	CHECKED BY _____

LEGEND

Protect Inlet ○

Perimeter Sediment Control —

31 CONSTRUCTION SEQUENCE DIAGRAM H-2 STA. 450+00 TO END H2 PROJECT

- 1) Install Inlet Protection
- 2) Construct Roadway
- 3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas

TRUE NORTH
SCALE : 1" = 40'

Outfall 49
(Impaired)
Waiawa Stream

Outfall 47
(Impaired)
Waiawa Stream

Outfall 46
(Impaired)
Waiawa Stream

Outfall 50
(Impaired)
Waiawa Stream

Outfall 48
(Impaired)
Waiawa Stream

SEQUENCE 31

CONTRACTOR STAGING/
STORAGE AREA

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	INCHES BY	
	QUANTITIES BY	
	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY

Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)

Scale: 1" = 40' Date: Dec., 2014

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

M.L. LOOP #4
STA. 23+00.37
See Sheet No. 37

M.L. H-2 O.B. #6
STRUCTURE # STA. 477+00
See Sheet No. 37

M.L. H-1 O.B. #6
STA. 507+00.37
See Sheet No. 37

M.L. H-2 I.B. #6
STA. 480+00.37
See Sheet No. 37

M.L. H-1 I.B. #6
STA. 505+00.37
See Sheet No. 37

To Outfall 51
(Impaired)
Waiawa
Stream

To Outfall 52
(Impaired)
Waiawa
Stream

LEGEND

Protect Inlet 

Perimeter Sediment Control 

SEQUENCE 31

CONTRACTOR STAGING/
STORAGE AREA

31 CONSTRUCTION SEQUENCE DIAGRAM H-2 STA. 450+00 TO END H2 PROJECT

- 1) Install Inlet Protection
- 2) Construct Roadway
- 3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

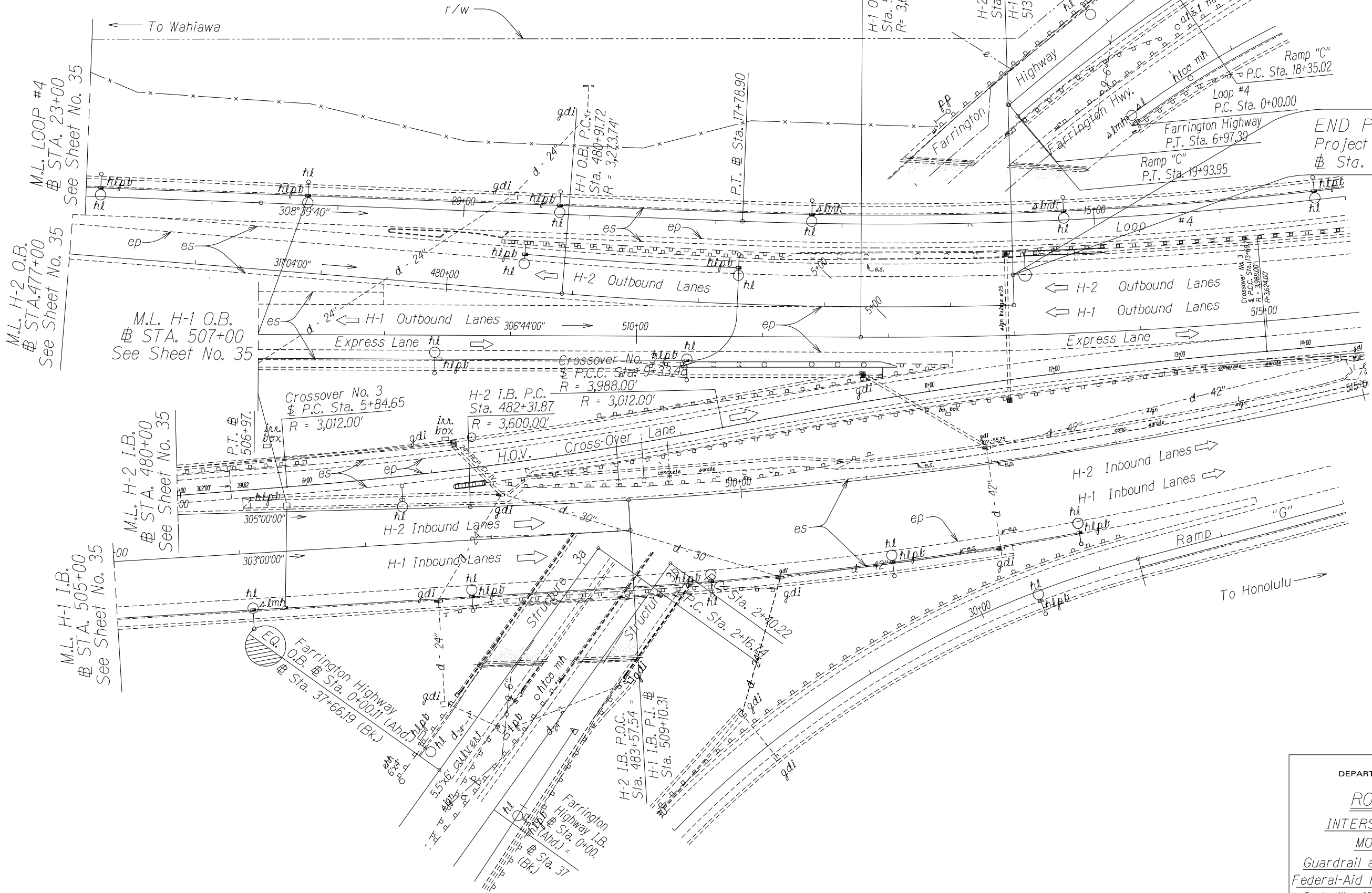
ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY

Improvements
M-STP-0300(106)
Date: Dec., 2014

33 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	HAW.	IM-STP-0300(106)	2016	0	0



END PROJECT
Project No. IM-STP-0300(106)
Sta. 484+50.41

TRUE NORTH
SCALE: 1" = 40'

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DRAWN BY	
INCHES BY	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLANS
INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY
Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014
SHEET No. 37 OF 33 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

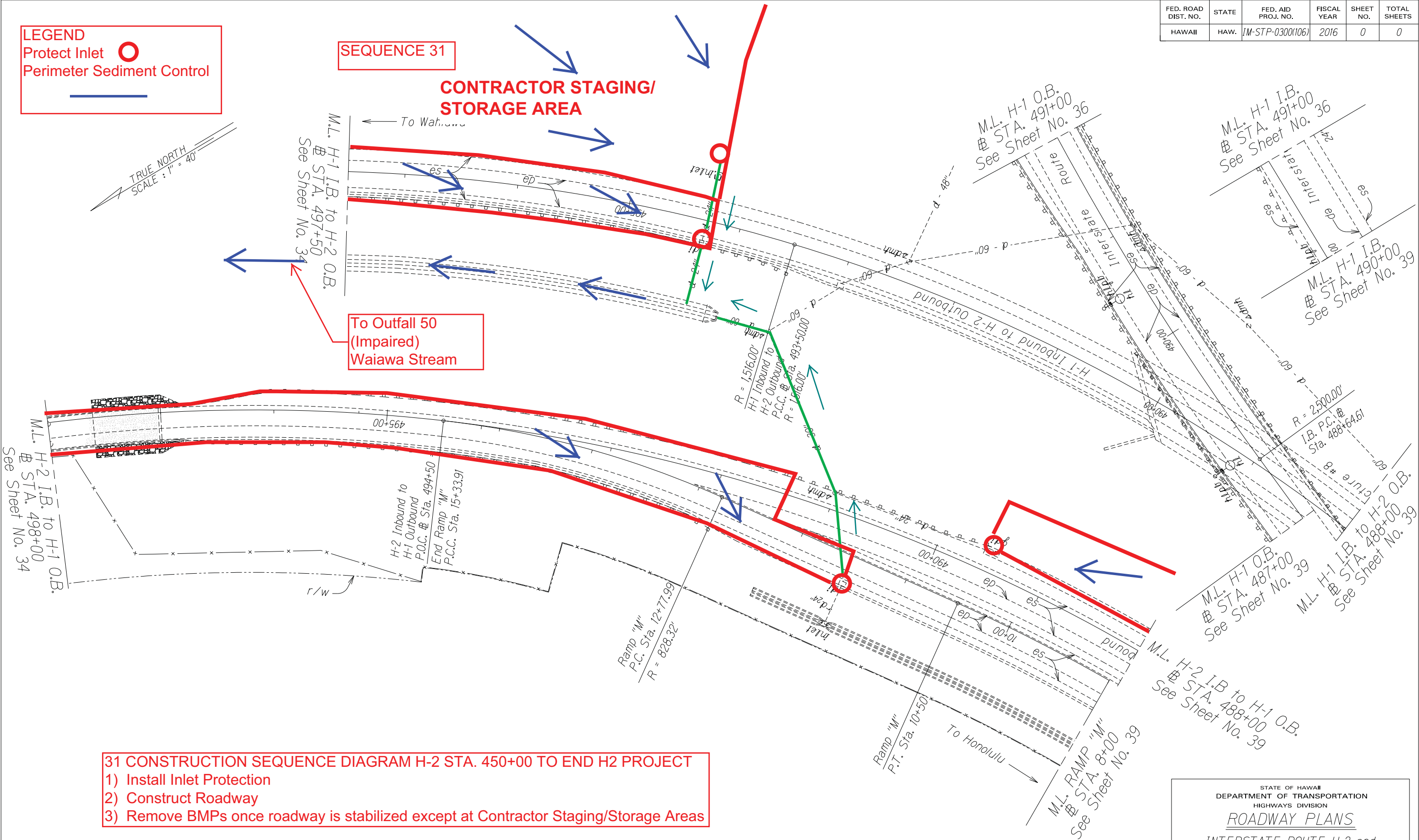
LEGEND
Protect Inlet 
Perimeter Sediment Control 

SEQUENCE 31

CONTRACTOR STAGING/
STORAGE AREA

To Outfall 50
(Impaired)
Waiawa Stream

TRUE NORTH
SCALE : 1" = 40'



31 CONSTRUCTION SEQUENCE DIAGRAM H-2 STA. 450+00 TO END H2 PROJECT
1) Install Inlet Protection
2) Construct Roadway
3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLANS
*INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY*
Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014

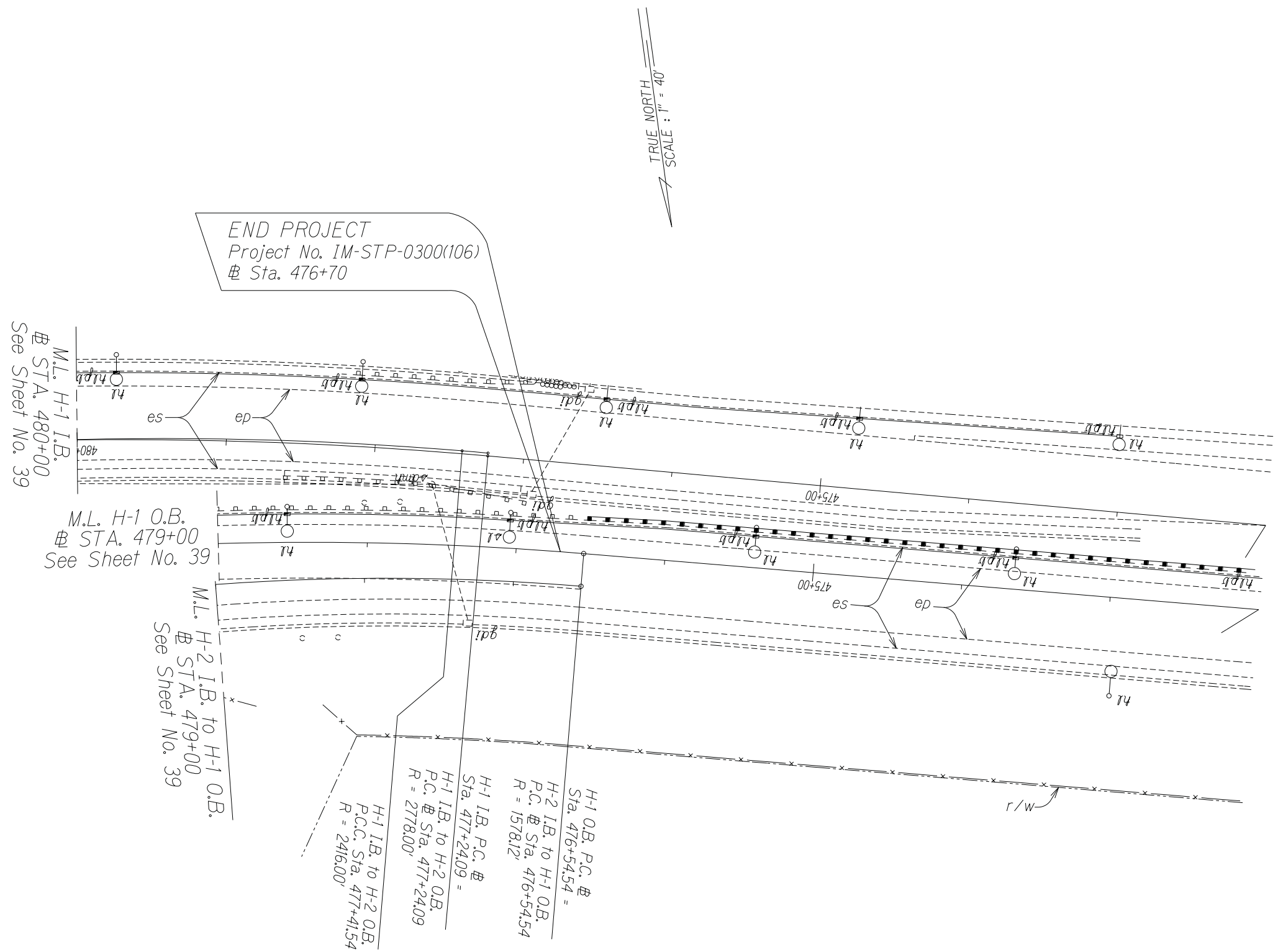
SHEET No. 38 OF 33 SHEETS

Date: Dec. 15, 2015

00

SURVEY PLOTTED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	
N.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

**INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY**

Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)

Scale: 1" = 40' Date: Dec., 2014

SHEET No. 40 OF 33 SHEETS

June 15, 2016

ORIGINAL PLAN	DATE
DRAWN BY	
CHECKED BY	
INCHES BY	
QUANTITIES BY	
CHECKED BY	
N.	

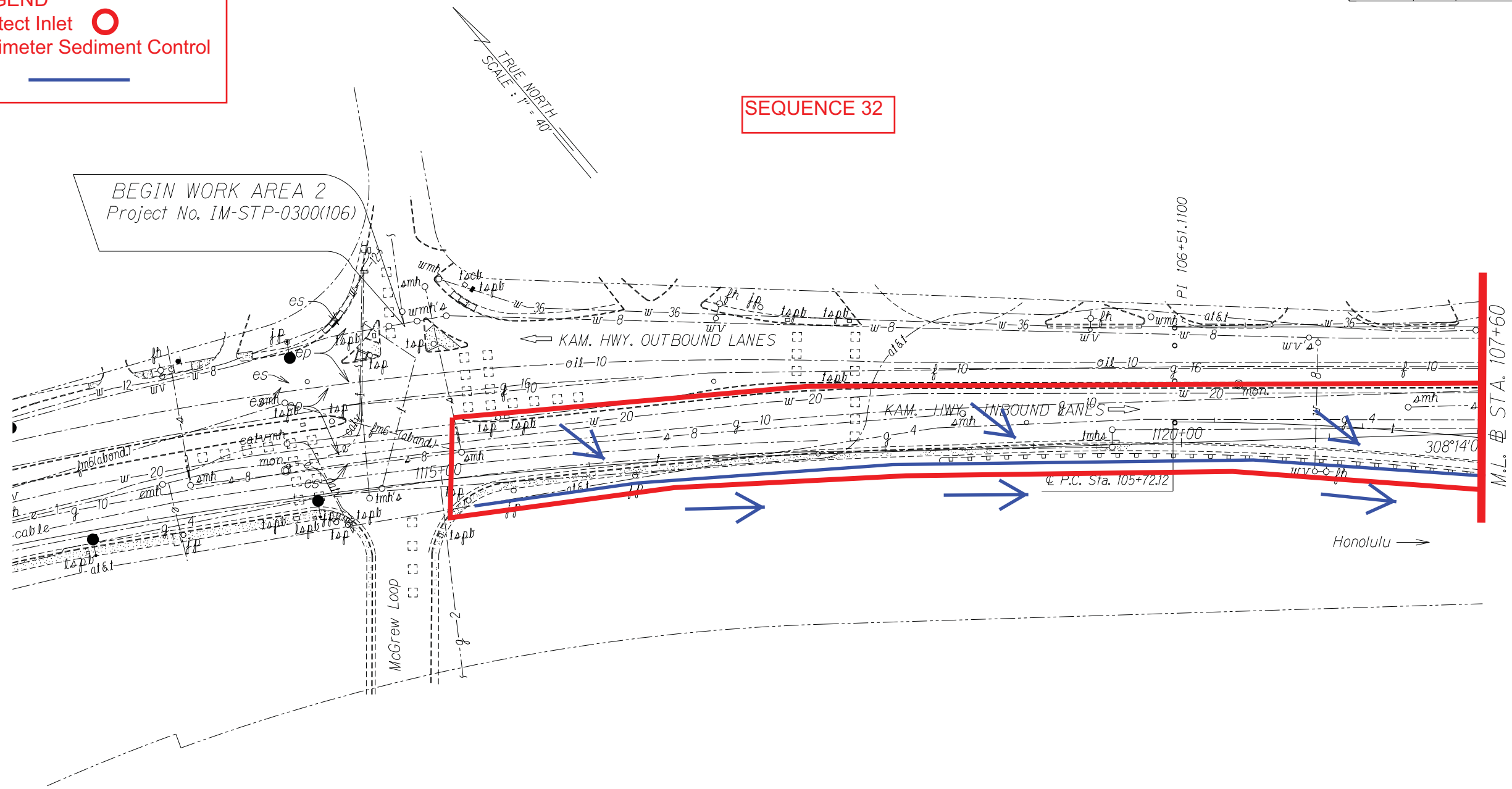
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

LEGEND

Protect Inlet 

Perimeter Sediment Control 

SEQUENCE 32



32 CONSTRUCTION SEQUENCE DIAGRAM KAMEHAMEHA HIGHWAY MCGREW LOOP TO STA. 107+60

- 1) Install Inlet Protection and Perimeter Sediment Control
- 2) Construct Roadway
- 3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas

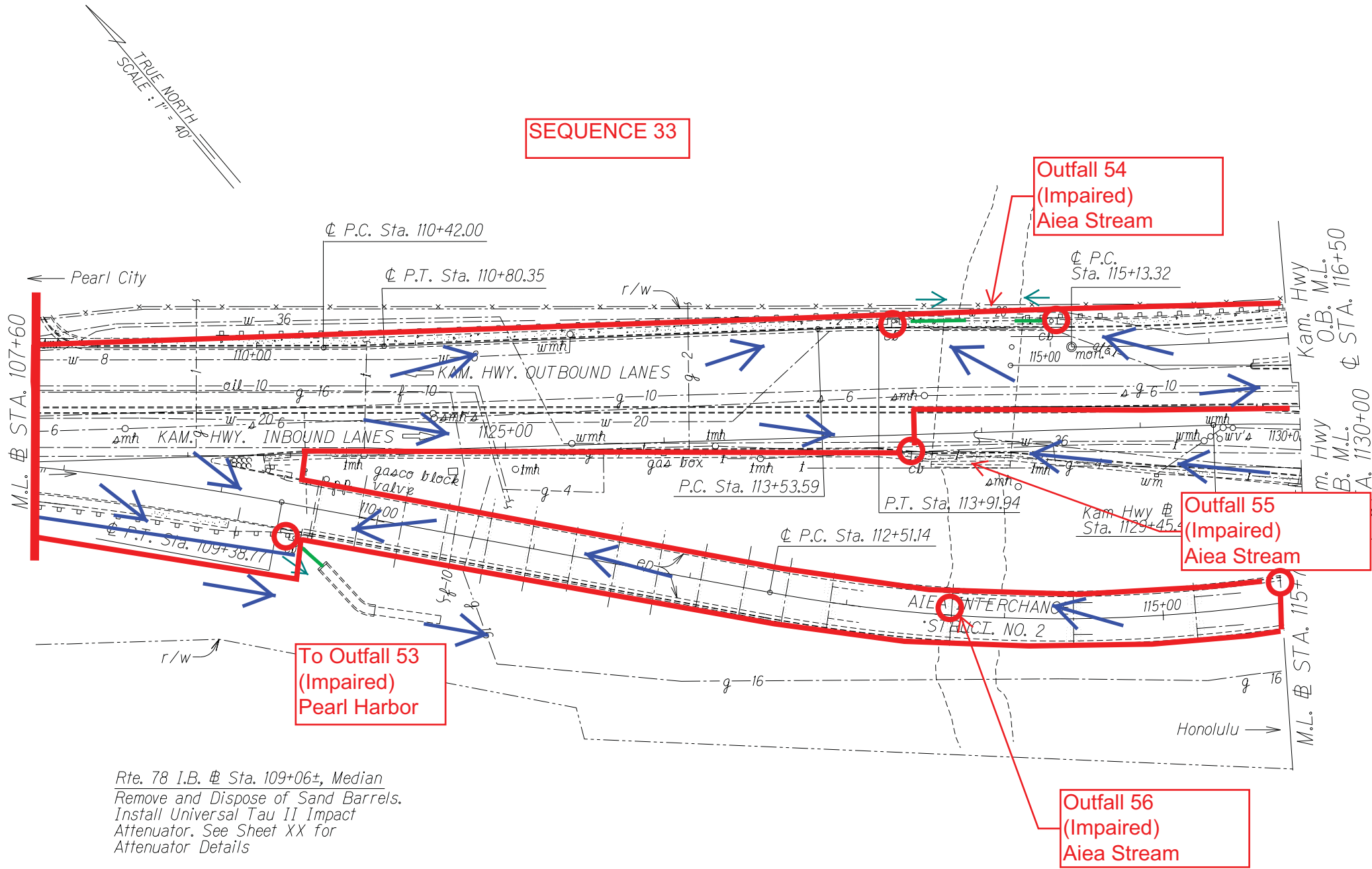
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLANS
*INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY*
Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014
SHEET No. 41 OF 45 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

LEGEND

Protect Inlet

Perimeter Sediment Control



33 CONSTRUCTION SEQUENCE DIAGRAM KAMEHAMEHA HIGHWAY STA. 107+60 TO STA. 124+50

- 1) Install Inlet Protection
- 2) Construct Roadway
- 3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY

Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014

SHEET No. 41 OF 45 SHEETS

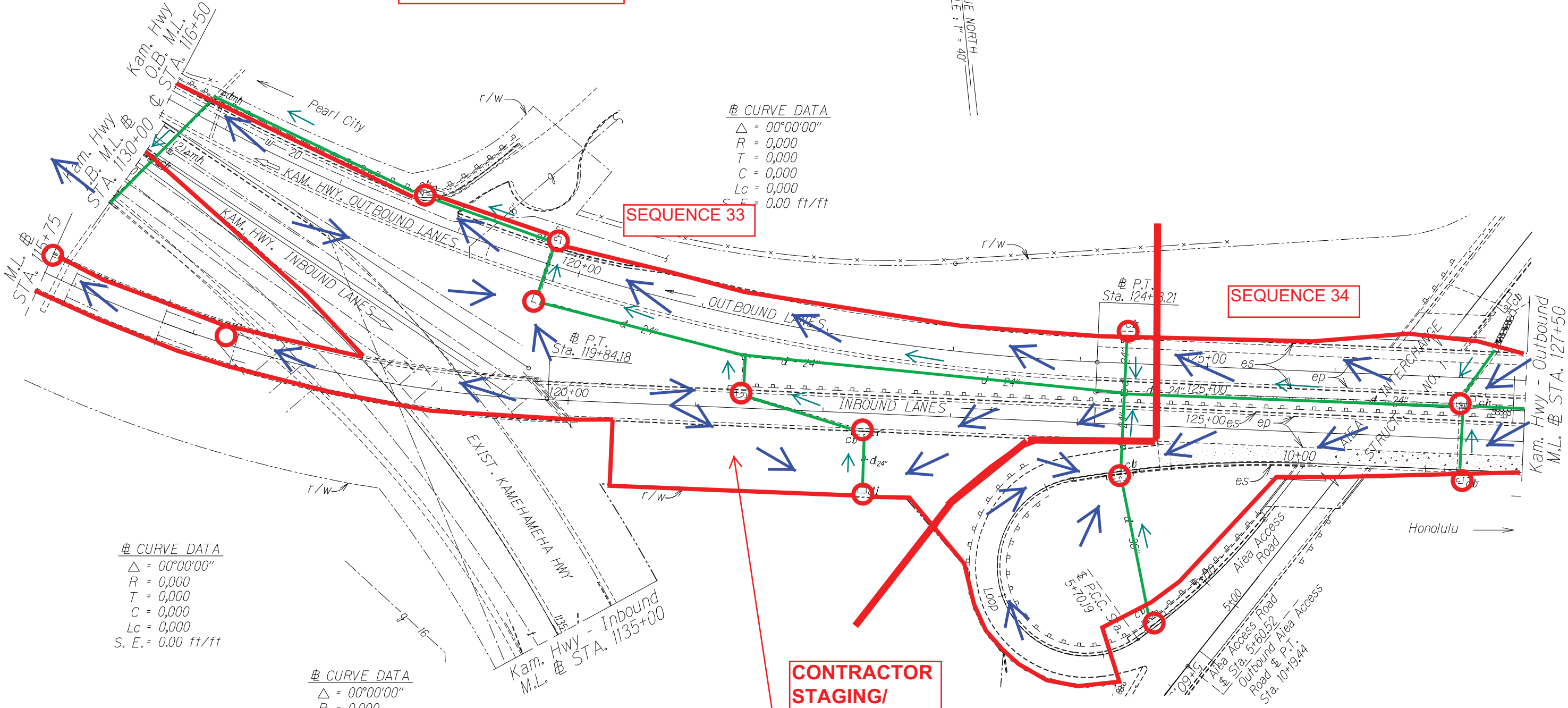
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

LEGEND

Protect Inlet 

Perimeter Sediment Control 

TRUE NORTH
SCALE: 1" = 40'



CURVE DATA
 $\Delta = 00^{\circ}00'00''$
 $R = 0,000$
 $T = 0,000$
 $C = 0,000$
 $Lc = 0,000$
 $S.E. = 0.00 \text{ ft/ft}$

SEQUENCE 33

SEQUENCE 34

CONTRACTOR STAGING/STORAGE AREA

CURVE DATA
 $\Delta = 00^{\circ}00'00''$
 $R = 0,000$
 $T = 0,000$
 $C = 0,000$
 $Lc = 0,000$
 $S.E. = 0.00 \text{ ft/ft}$

CURVE DATA
 $\Delta = 00^{\circ}00'00''$
 $R = 0,000$
 $T = 0,000$

33 CONSTRUCTION SEQUENCE DIAGRAM KAMEHAMEHA HIGHWAY STA. 107+60 TO STA. 124+50
1) Install Inlet Protection
2) Construct Roadway
3) Remove BMPs once roadway is stabilized except at Contractor Staging/Storage Areas

SURVEY PLOTTED BY	DATE
DRAWN BY	
INCHES BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
N.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY

Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)

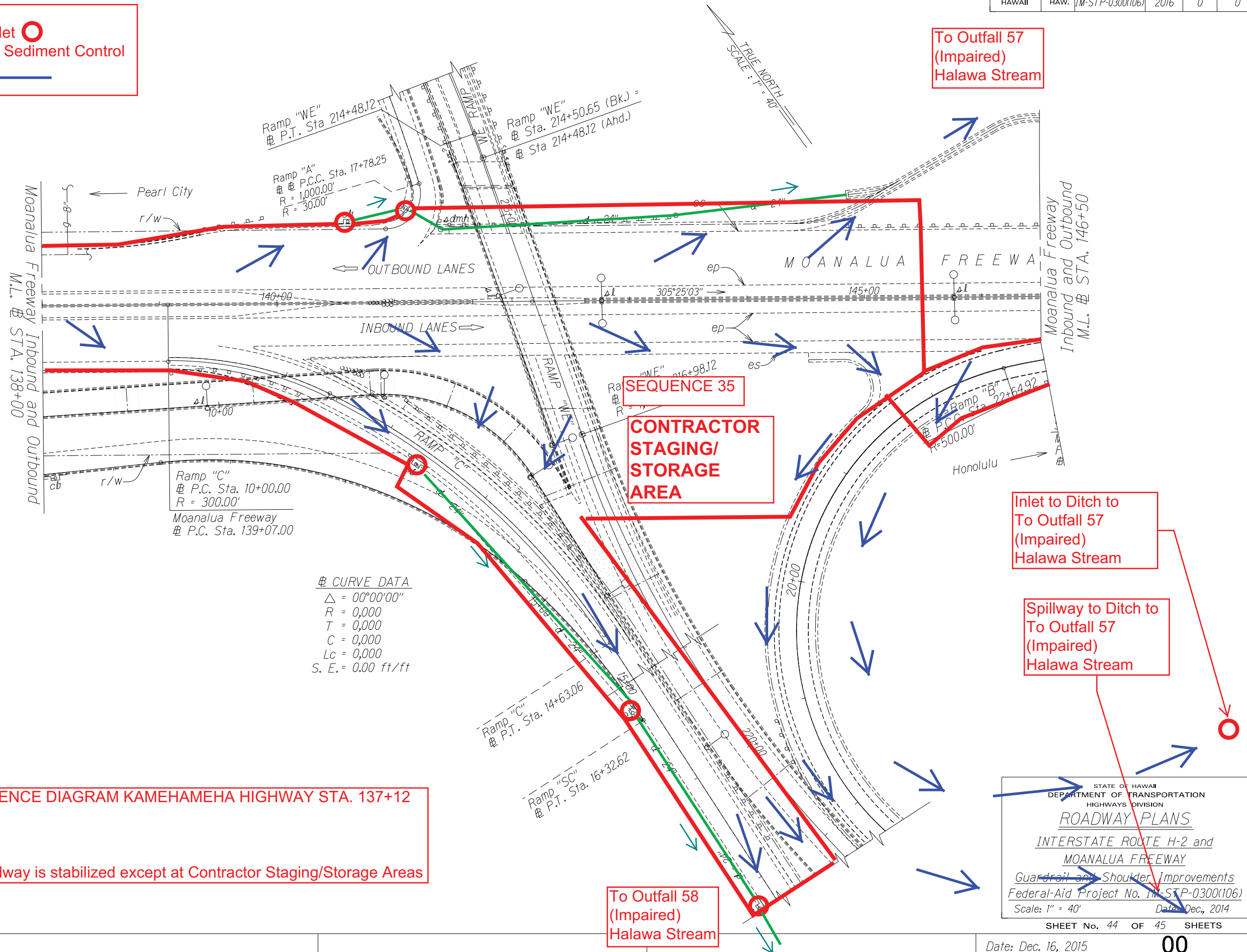
Scale: 1" = 40' Date: Dec., 2014

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

LEGEND

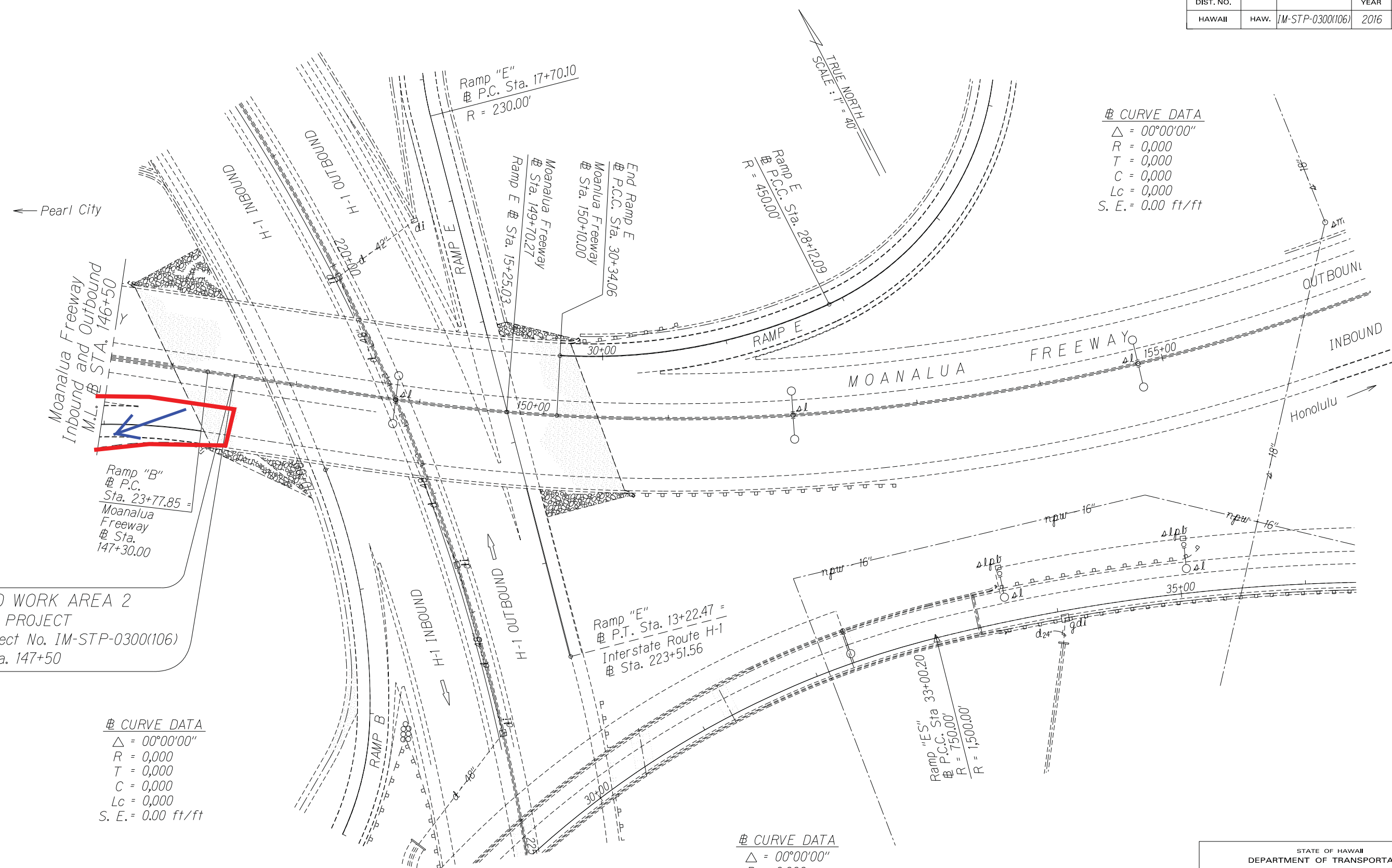
Protect Inlet 

Perimeter Sediment Control 



SURVEY PLOTTED BY	DATE
DRAWN BY	
CHECKED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0



END WORK AREA 2
END PROJECT
Project No. IM-STP-0300(106)
Sta. 147+50

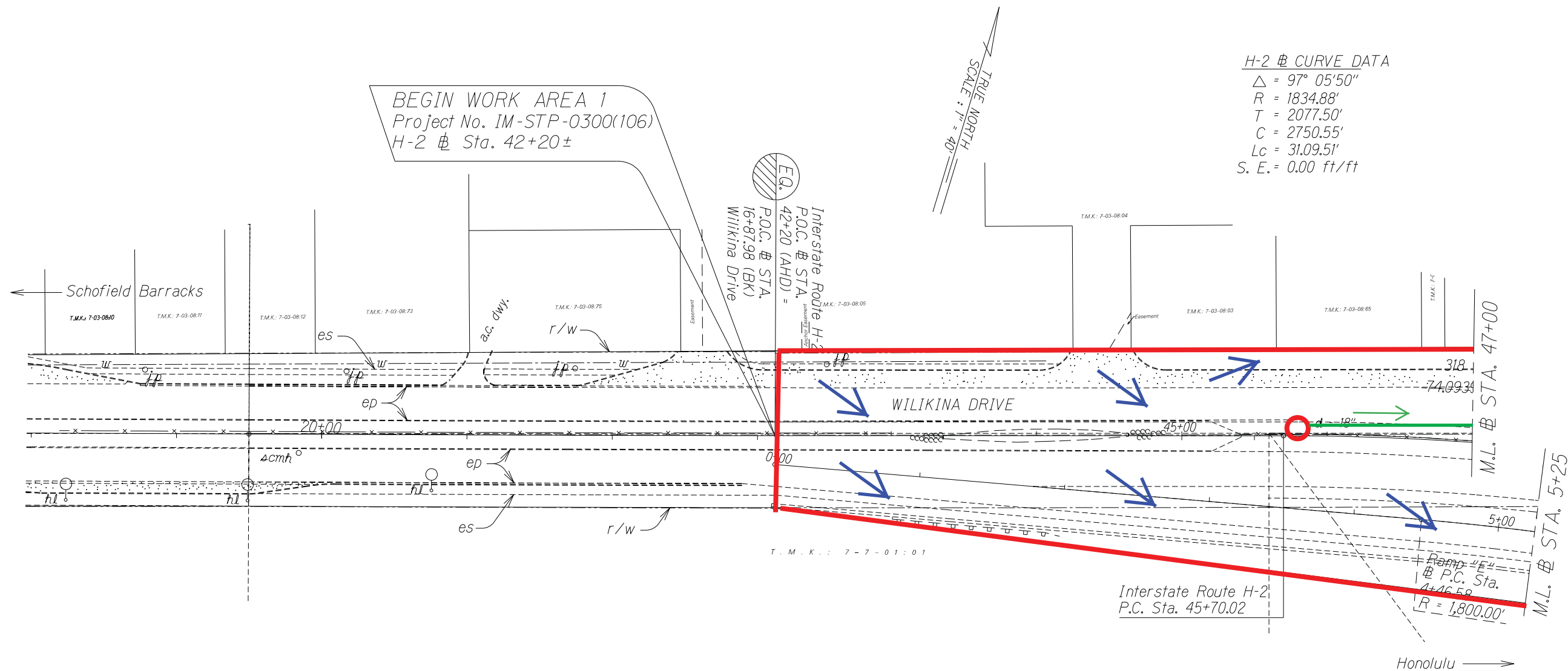
Δ CURVE DATA
Δ = 00°00'00"
R = 0,000
T = 0,000
C = 0,000
Lc = 0,000
S. E. = 0.00 ft/ft

Δ CURVE DATA
Δ = 00°00'00"
R = 0,000
T = 0,000
C = 0,000
Lc = 0,000
S. E. = 0.00 ft/ft


STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLANS
INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY
Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014
SHEET No. 45 OF 45 SHEETS


SURVEY PLOTTED BY	DATE
DRAWN BY	
INCHES BY	
QUANTITIES BY	
CHECKED BY	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0



LEGEND

Protect Inlet 

Perimeter Sediment Control 

BMP PLAN ROAD CONSTRUCTION
Road Construction (Cold planing, resurfacing paved shoulders and gutters, removing call boxes, upgrading drainage inlets; upgrading concrete bridge endposts, upgrading existing guardrails and end treatments; installation of new guardrails, and pavement markings)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

*INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY*

Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)

Scale: 1" = 40' Date: Dec., 2014

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
N#	INCHES BY	
	QUANTITIES BY	
	CHECKED BY	

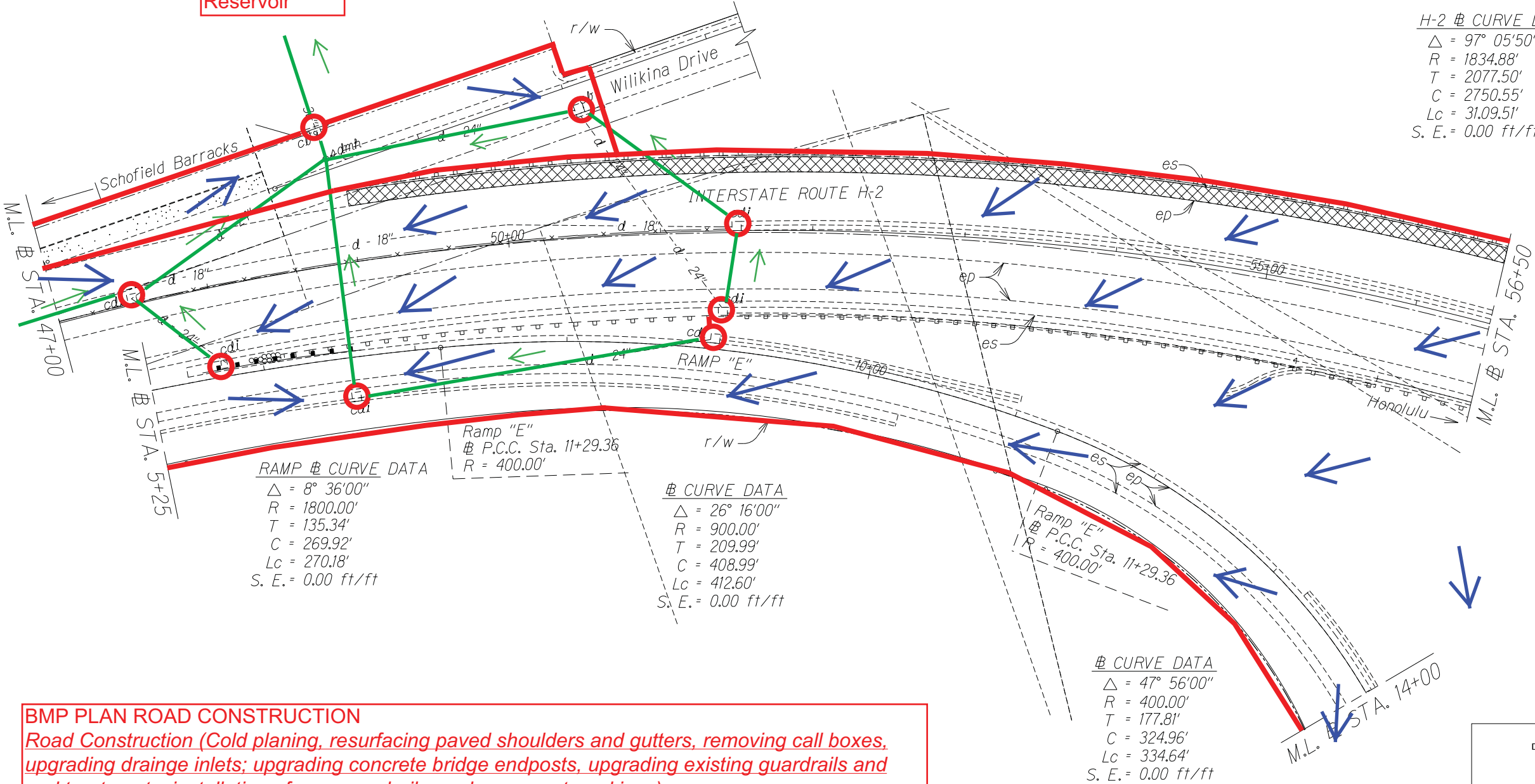
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

LEGEND

Protect Inlet

Perimeter Sediment Control

To Outfall 1
(Impaired)
Wahiawa
Reservoir



BMP PLAN ROAD CONSTRUCTION

Road Construction (Cold planing, resurfacing paved shoulders and gutters, removing call boxes, upgrading drainage inlets; upgrading concrete bridge endposts, upgrading existing guardrails and end treatments; installation of new guardrails, and pavement markings)

SURVEY PLOTTED BY	DATE
DRAWN BY	
CHECKED BY	
INCHES BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
N _o .	

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and

MOANALUA FREEWAY

Guardrail and Shoulder Improvements

Federal-Aid Project No. IM-STP-0300(106)

Scale: 1" = 40'

Date: Dec., 2014

SHEET No. 2 OF 33 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

RAMP C @ CURVE DATA

$\Delta = 23^\circ 20'00''$
 $R = 985.00'$
 $T = 203.39'$
 $C = 398.37'$
 $Lc = 401.14'$
S. E. = 0.00 ft/ft

H-2 @ Sta. 61+00± to H-2 @ Sta. 67+80±, Lt.
Remove and Dispose of 2.50 to 3.50 inches of Asphalt Pavement of the 10.00 foot Shoulder.
Replace with 2.50 to 3.50 inches HMA Pavement Mix No. IV.

H-2 @ Sta. 60+75± to H-2 @ Sta. 67+50±, Lt.
Remove and Dispose of 5630 L.F. of Existing Guardrail and Posts. Install 700 L.F. of New W-Beam Guardrail and Strong Post with TAU II Impact Attenuator. See Plan Sheet No. --- for End Post and Thrie Beam Detail for Site "N".

To Outfall 3 (Impaired) Wahiawa Reservoir

To Outfall 2 (Impaired) Wahiawa Reservoir

H-2 @ Sta. 57+27±, Rt.
Remove and Dispose of Remaining Emergency Call Box Components and Concrete Pad and Ramp. Grade Landscaping to Match Surrounding. Reestablish Storm Water Gutter. For Details, See Sheet No. ---

H-2 @ Sta. 57+02± to H-2 @ Sta. 57+89.5±, Rt.
Remove and Dispose of 75 L.F. of Existing Guardrail and Posts. Install 87.50 L.F. of W-Beam Guardrail and Strong Post. Connect to Loop "I" Guardrail with W-Beam End Section Buffer.

Loop "I" @ Sta. 7+28± to Loop "I" @ Sta. 7+90.50±, Lt.
Remove and Dispose of 50 L.F. of Existing Guardrail and Posts. Install 62.5 L.F. of W-Beam and Strong Posts and Connect to W-Beam End Section Buffer on H-2 Side.

H-2 @ CURVE DATA

$\Delta = 97^\circ 05'50''$
 $R = 1834.88'$
 $T = 2077.50'$
 $C = 2750.55'$
 $Lc = 3109.51'$
S. E. = 0.00 ft/ft

H-2 @ Sta. 64+44± to H-2 @ Sta. 72+34±, Rt.
Remove and Dispose of 2.50 to 3.50 inches of Asphalt Pavement of the 10.00 foot Shoulder. Replace with 2.50 to 3.50 inches HMA Pavement Mix No. IV.

CONTRACTOR STAGING/STORAGE AREA

LEGEND

Protect Inlet 
Perimeter Sediment Control 

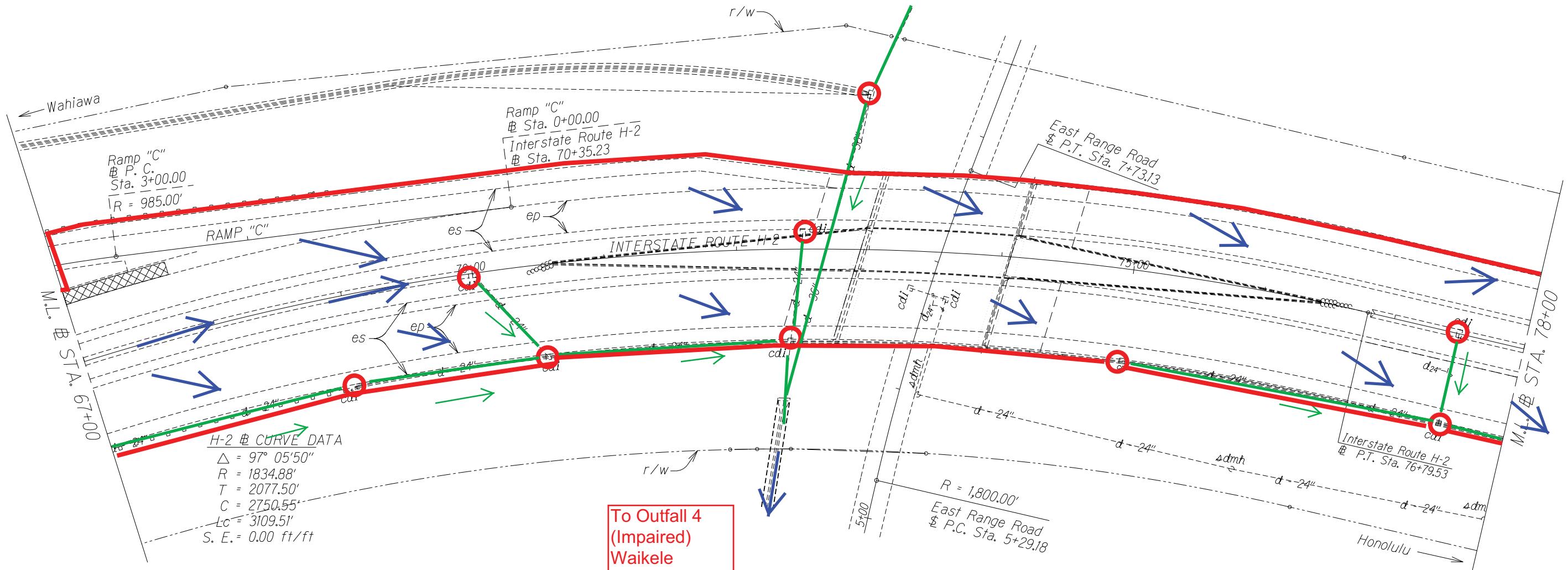
BMP PLAN ROAD CONSTRUCTION

Road Construction (Cold planing, resurfacing paved shoulders and gutters, removing call boxes, upgrading drainage inlets; upgrading concrete bridge endposts, upgrading existing guardrails and end treatments; installation of new guardrails, and pavement markings)


STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLANS
INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY
Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014
SHEET No. 3 OF 33 SHEETS


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

TRUE NORTH
SCALE: 1" = 40'



LEGEND

Protect Inlet 

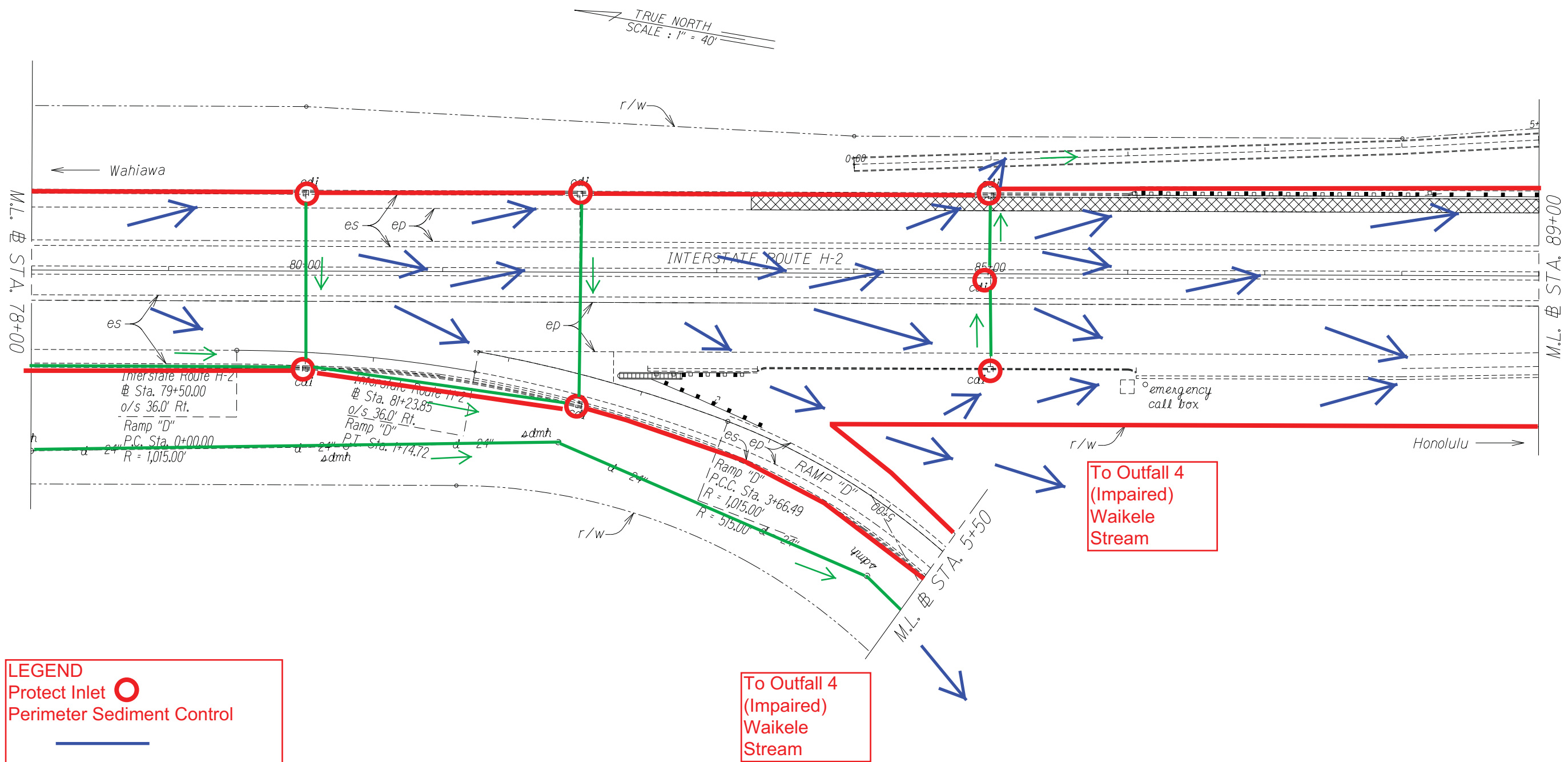
Perimeter Sediment Control 

BMP PLAN ROAD CONSTRUCTION
Road Construction (Cold planing, resurfacing paved shoulders and gutters, removing call boxes, upgrading drainage inlets; upgrading concrete bridge endposts, upgrading existing guardrails and end treatments; installation of new guardrails, and pavement markings)

SURVEY PLOTTED BY	DATE
DRAWN BY	
INCHES BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
N.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLANS
INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY
Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014
SHEET No. 4 OF 33 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

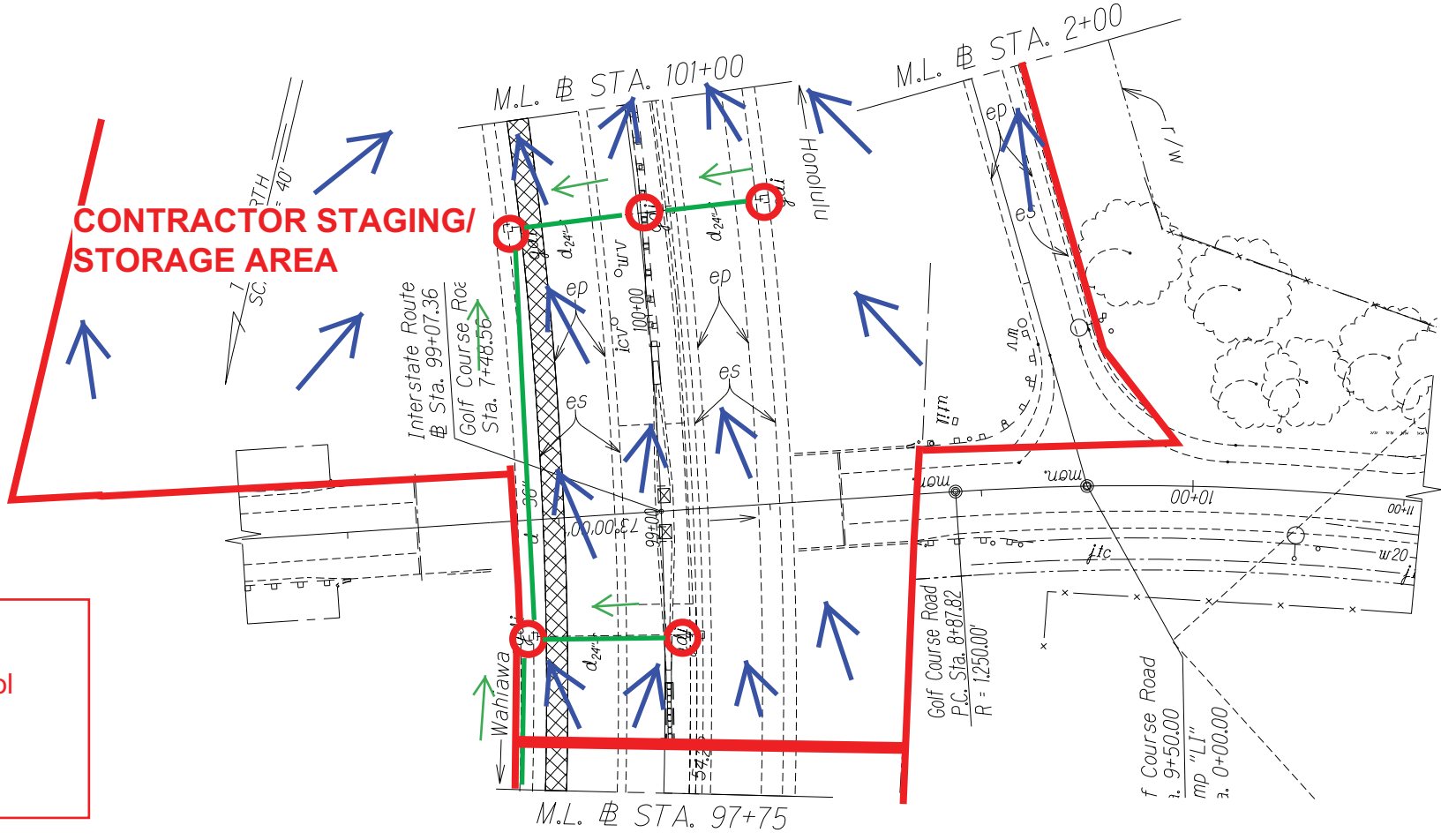
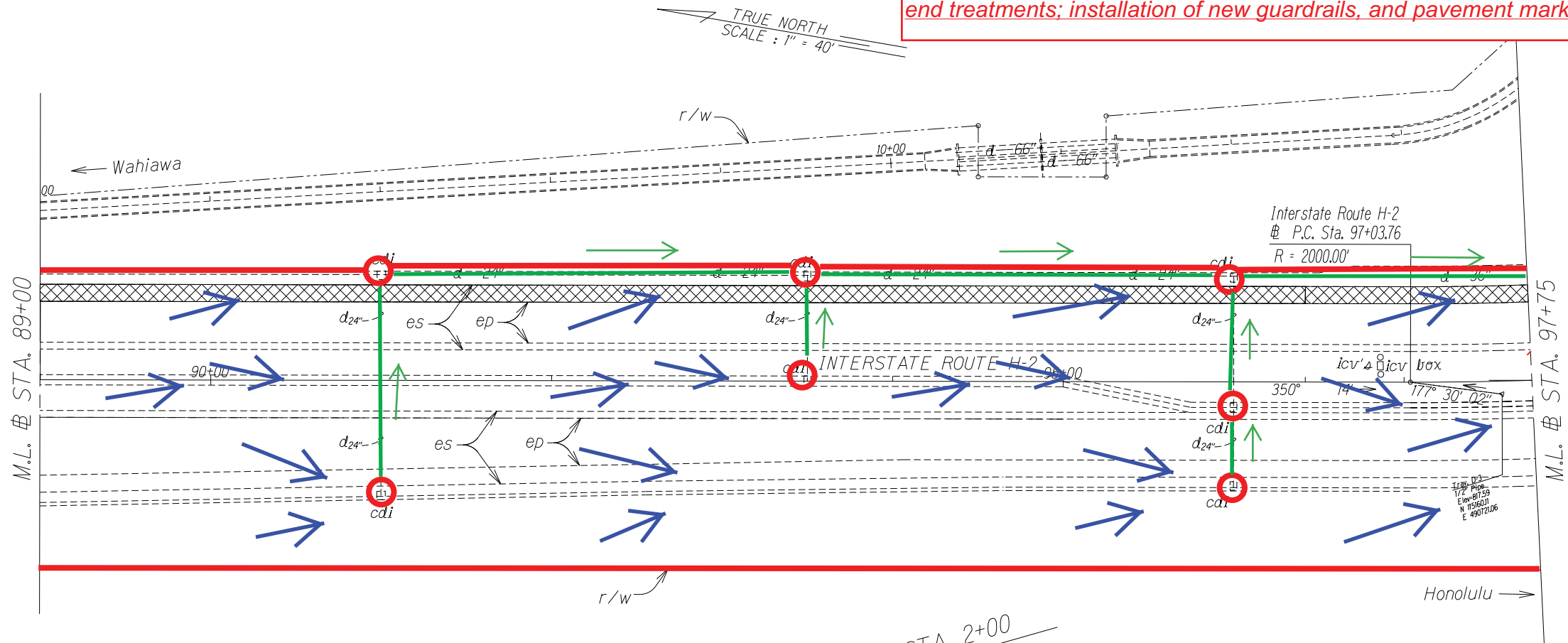




BMP PLAN ROAD CONSTRUCTION
Road Construction (Cold planing, resurfacing paved shoulders and gutters, removing call boxes, upgrading drainage inlets; upgrading concrete bridge endposts, upgrading existing guardrails and end treatments; installation of new guardrails, and pavement markings)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLANS
*INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY*
Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014
SHEET No. 5 OF 33 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
N#	TRACED BY	
	QUANTITIES BY	
	CHECKED BY	

BMP PLAN ROAD CONSTRUCTION
Road Construction (Cold planing, resurfacing paved shoulders and gutters, removing call boxes, upgrading drainage inlets; upgrading concrete bridge endposts, upgrading existing guardrails and end treatments; installation of new guardrails, and pavement markings)

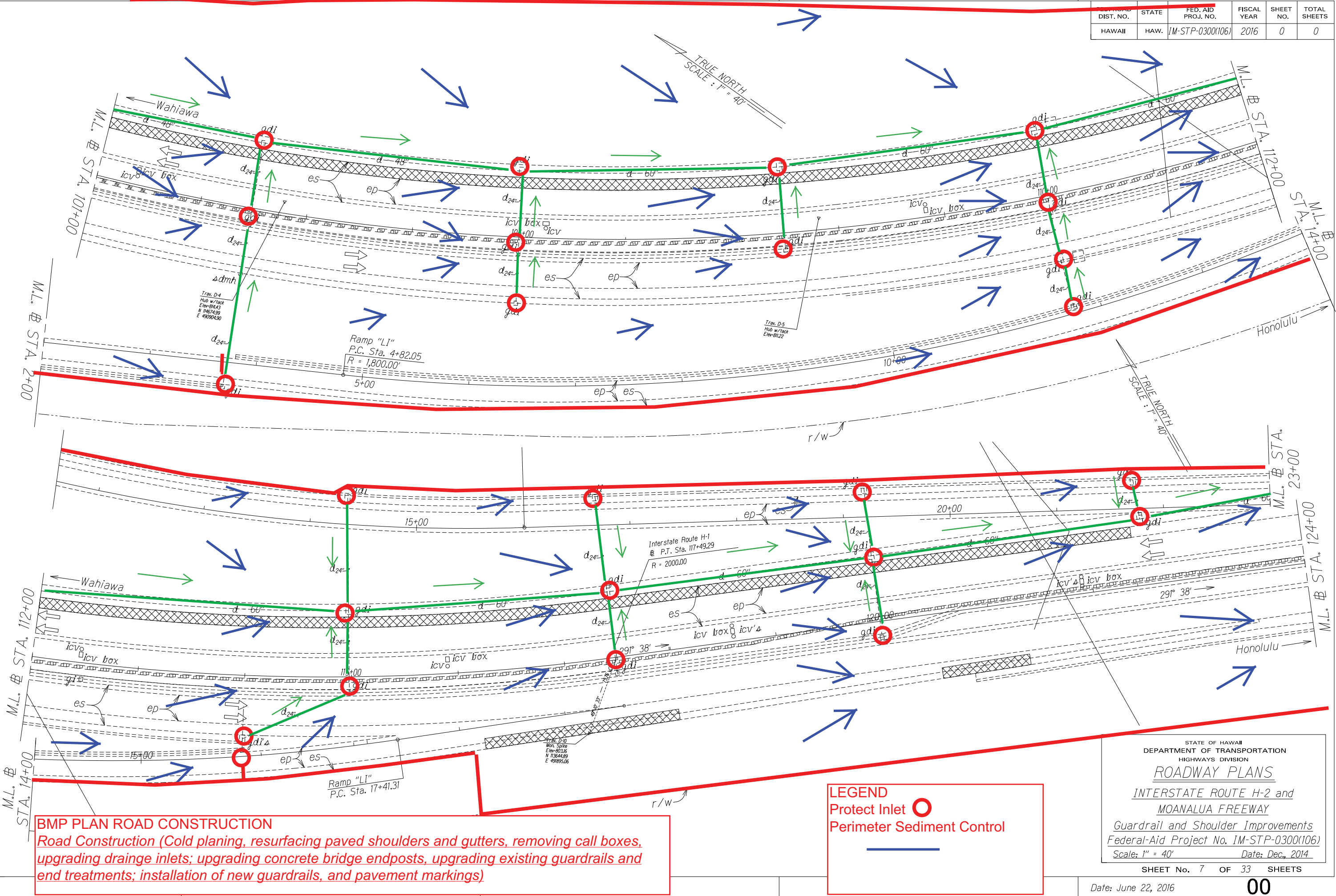


LEGEND
Protect Inlet 
Perimeter Sediment Control 

SURVEY PLOTTED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	
N.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLANS
*INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY*
Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014
SHEET No. 6 OF 33 SHEETS

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0



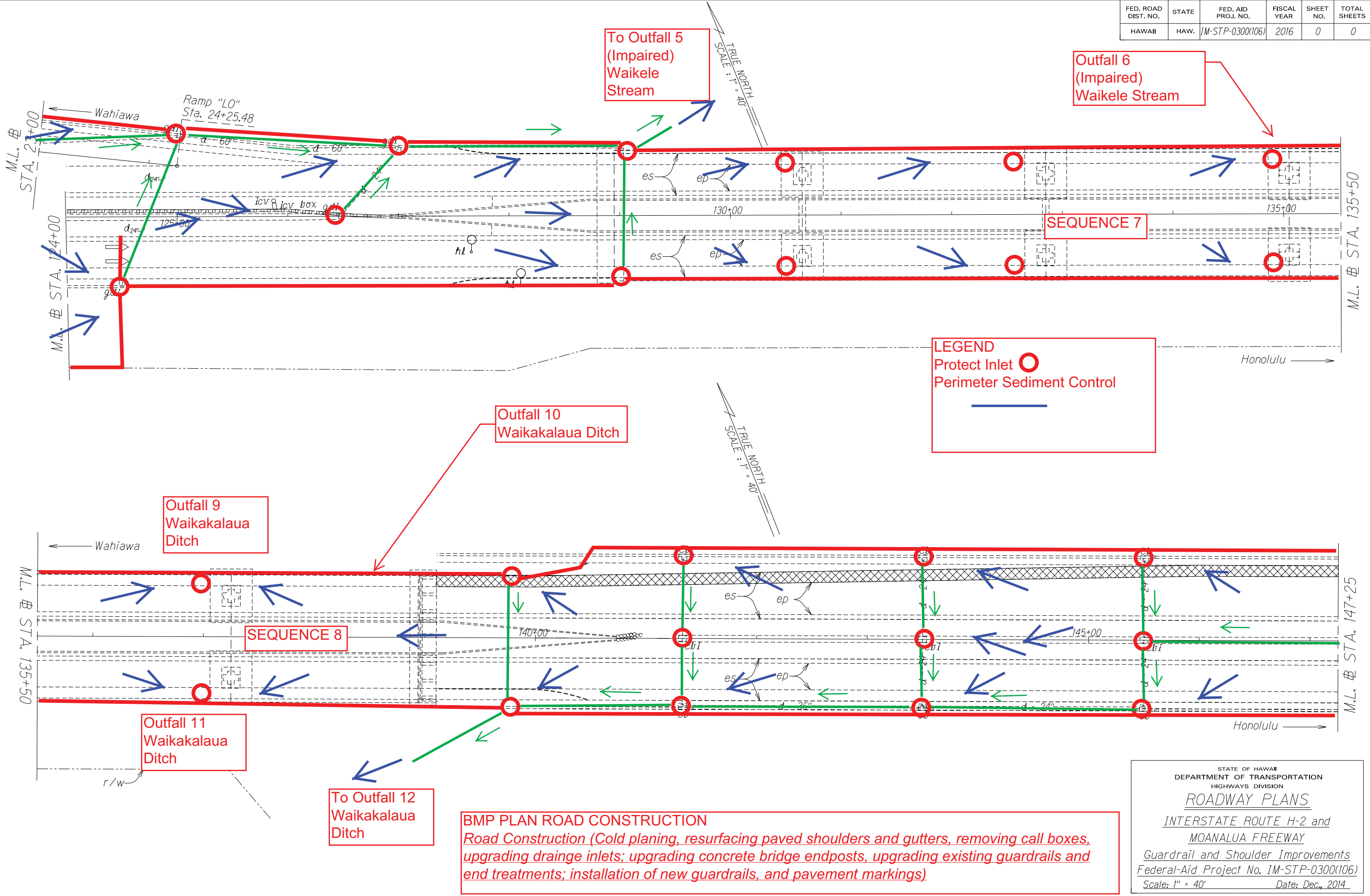
SURVEY PLOTTED BY	DATE
DRAWN BY	
INTEGRATED BY	
QUANTITIES BY	
CHECKED BY	

BMP PLAN ROAD CONSTRUCTION
Road Construction (Cold planing, resurfacing paved shoulders and gutters, removing call boxes, upgrading drainage inlets; upgrading concrete bridge endposts, upgrading existing guardrails and end treatments; installation of new guardrails, and pavement markings)

LEGEND
Protect Inlet 
Perimeter Sediment Control 

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLANS
INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY
Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014
SHEET No. 7 OF 33 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

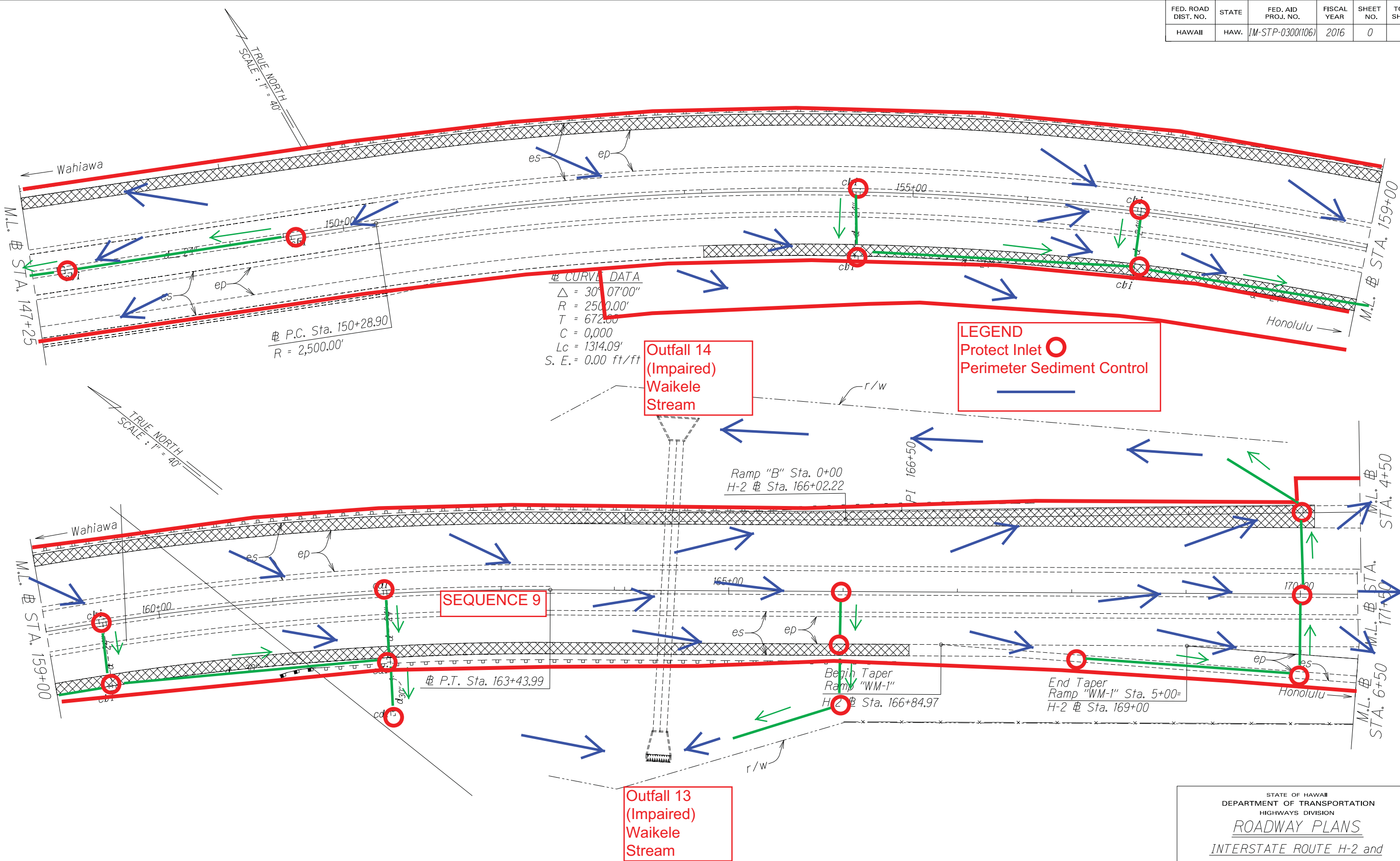


SURVEY PLOTTED BY	DATE
DRAWN BY	
INCHES BY	
QUANTITIES BY	
CHECKED BY	

BMP PLAN ROAD CONSTRUCTION
Road Construction (Cold planing, resurfacing paved shoulders and gutters, removing call boxes, upgrading drainage inlets; upgrading concrete bridge endposts, upgrading existing guardrails and end treatments; installation of new guardrails, and pavement markings)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLANS
*INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY*
Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0



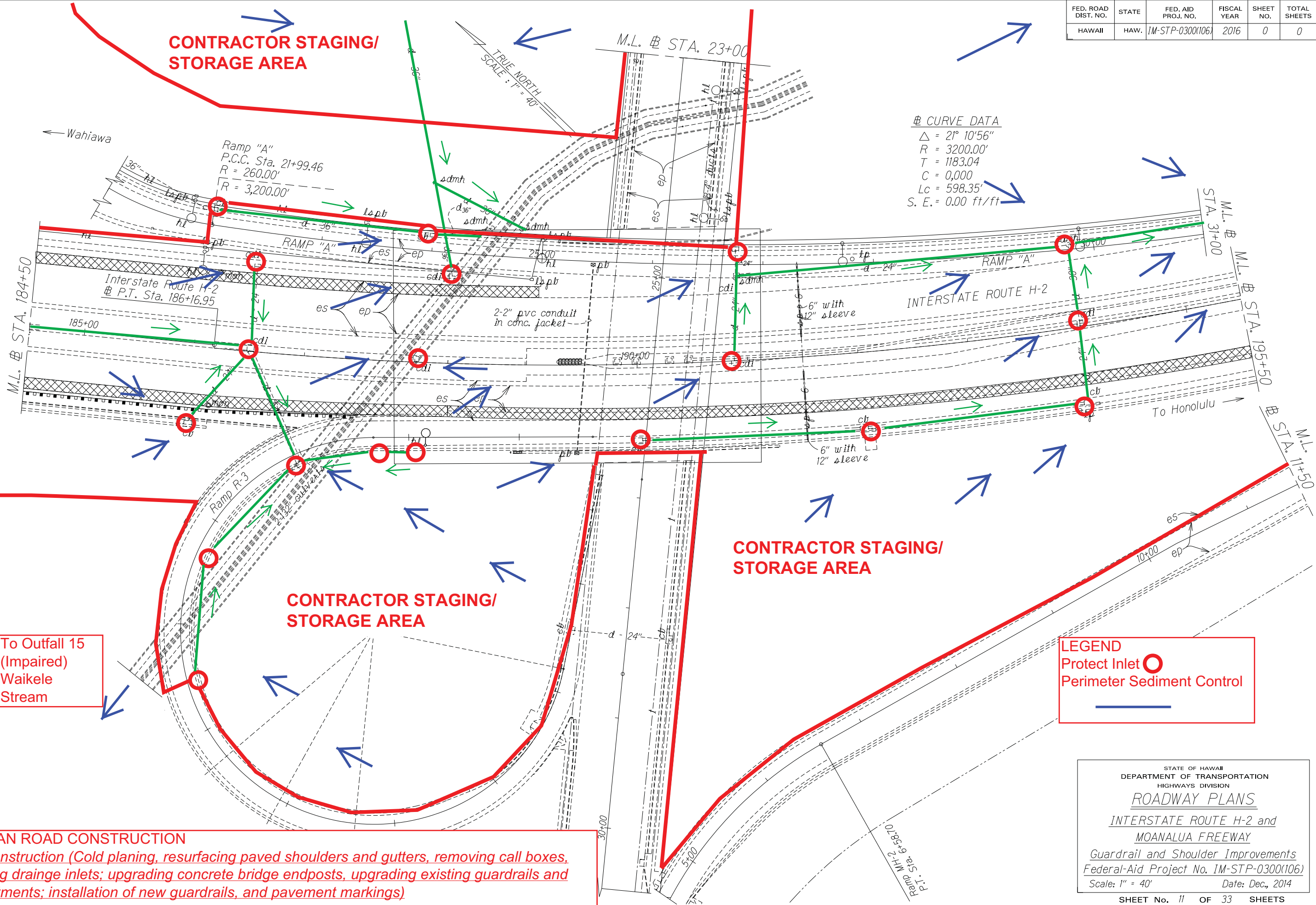
SURVEY PLOTTED BY	DATE
DRAWN BY	
INCHES BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
N.	

BMP PLAN ROAD CONSTRUCTION
Road Construction (Cold planing, resurfacing paved shoulders and gutters, removing call boxes, upgrading drainage inlets; upgrading concrete bridge endposts, upgrading existing guardrails and end treatments; installation of new guardrails, and pavement markings)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLANS
INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY
Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40'
Date: Dec., 2014

SHEET No. 9 OF 33 SHEETS
Date: June 22, 2016

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0



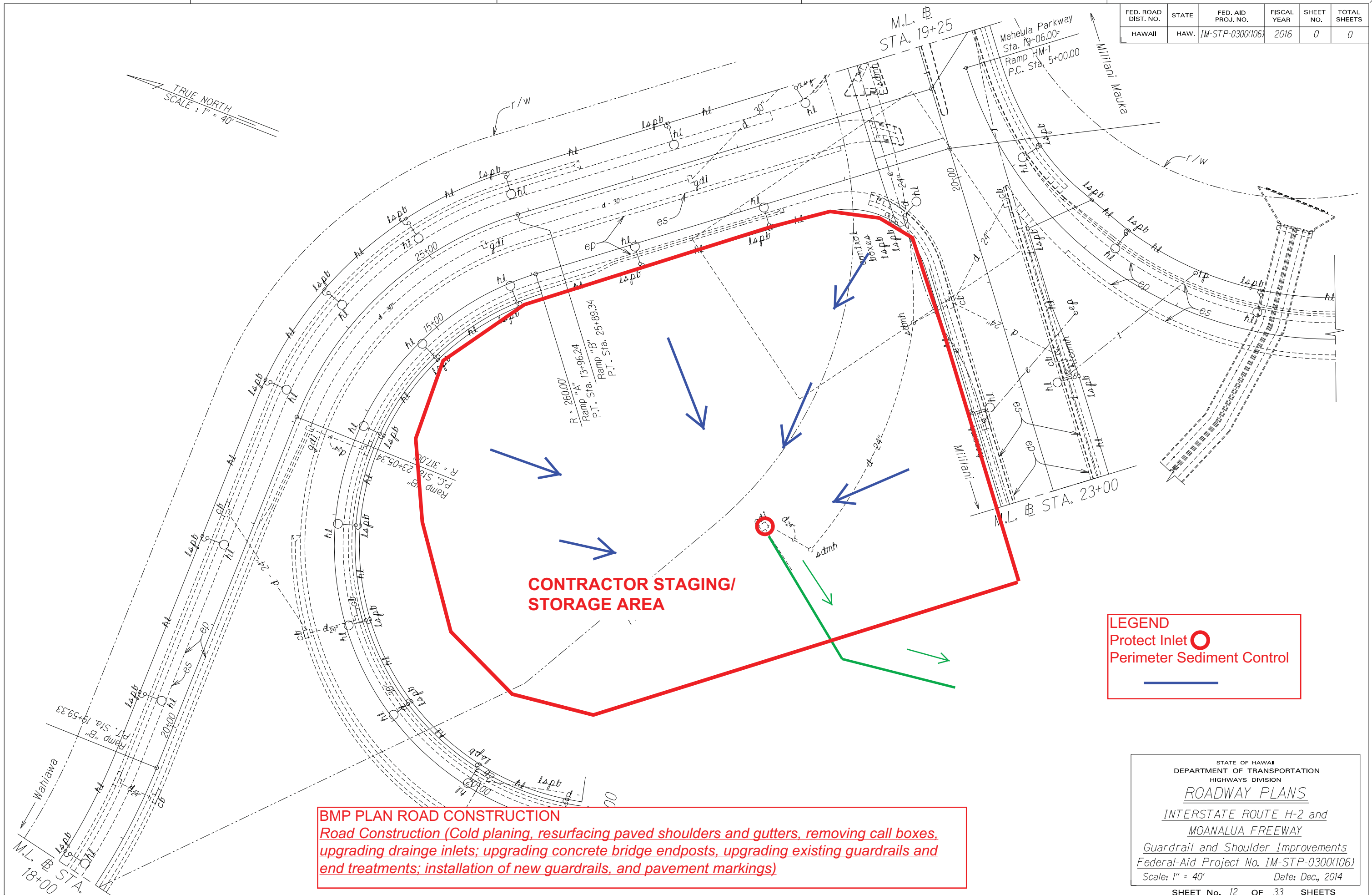
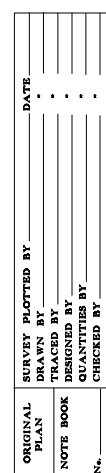
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
N.	INTEGRATED BY	
	QUANTITIES BY	
	CHECKED BY	

BMP PLAN ROAD CONSTRUCTION
Road Construction (Cold planing, resurfacing paved shoulders and gutters, removing call boxes, upgrading drainage inlets; upgrading concrete bridge endposts, upgrading existing guardrails and end treatments; installation of new guardrails, and pavement markings)

LEGEND
Protect Inlet
Perimeter Sediment Control

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLANS
*INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY*
Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014
SHEET No. 11 OF 33 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0



LEGEND
Protect Inlet 
Perimeter Sediment Control 

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY

Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)

Scale: 1" = 40' Date: Dec., 2014

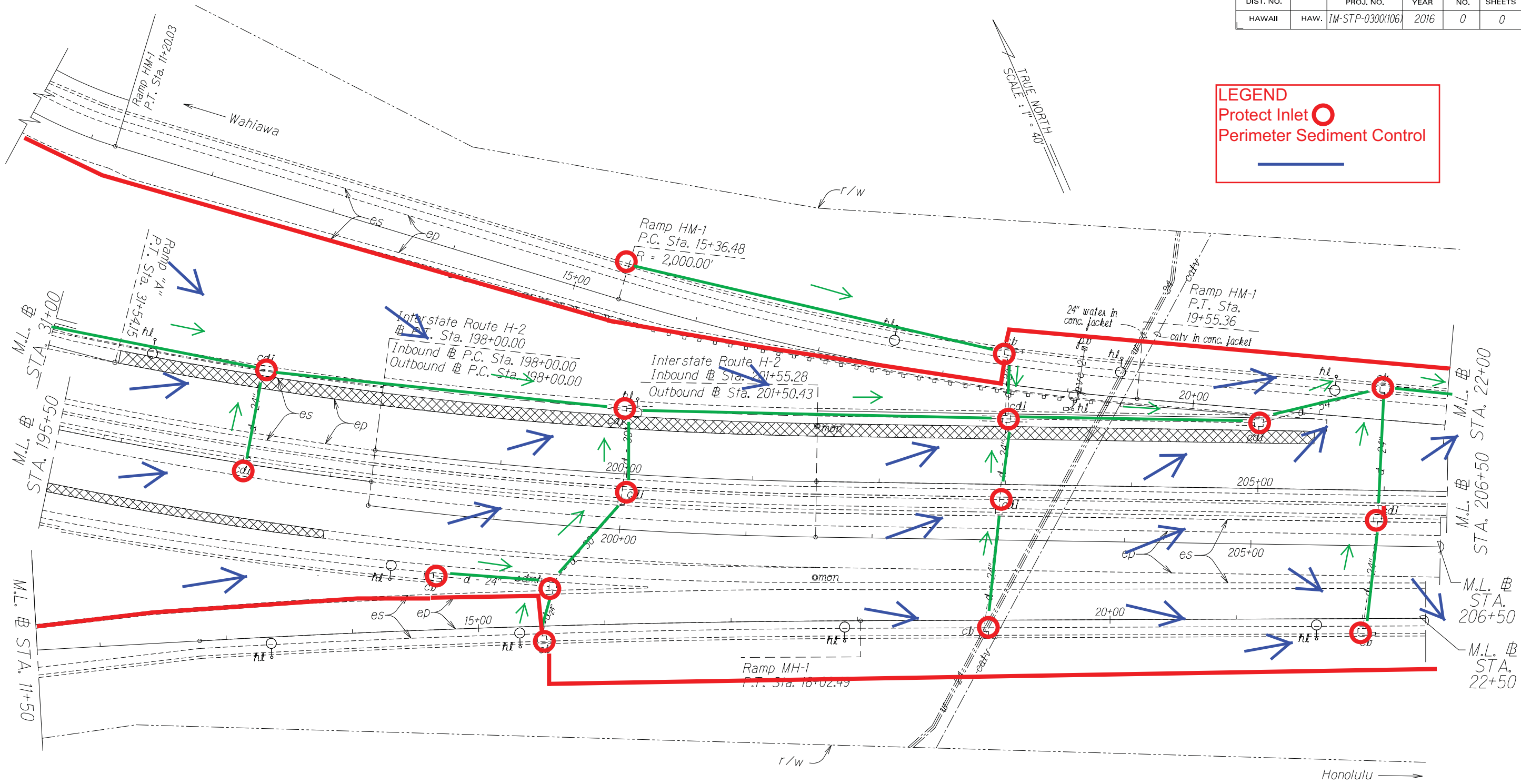
SHEET No. 12 OF 33 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

LEGEND

Protect Inlet

Perimeter Sediment Control



BMP PLAN ROAD CONSTRUCTION
Road Construction (Cold planing, resurfacing paved shoulders and gutters, removing call boxes, upgrading drainage inlets; upgrading concrete bridge endposts, upgrading existing guardrails and end treatments; installation of new guardrails, and pavement markings)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY

Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)

Scale: 1" = 40' Date: Dec., 2014

SHEET No. 13 OF 33 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	
INCHES BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
N.	

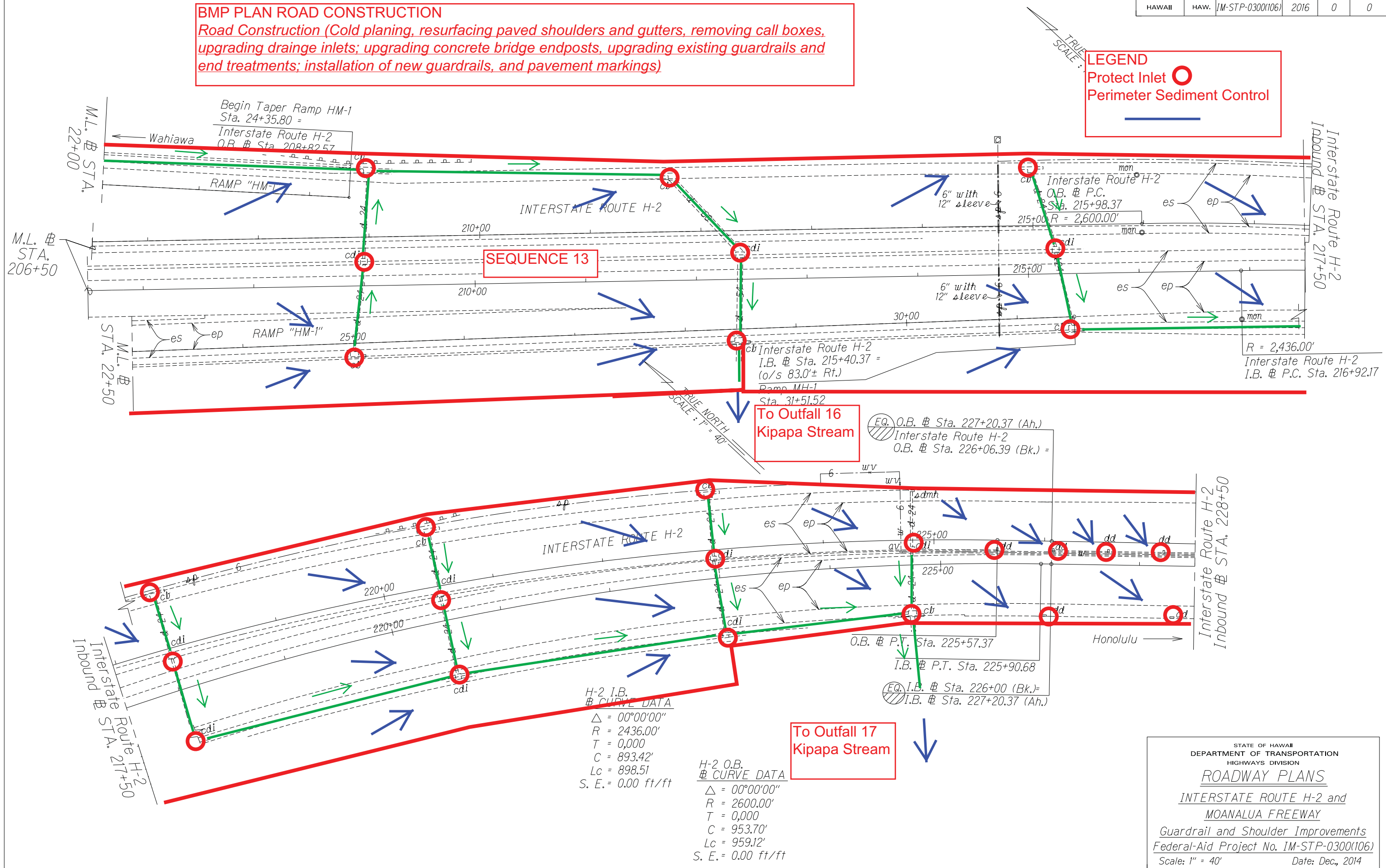
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

BMP PLAN ROAD CONSTRUCTION
Road Construction (Cold planing, resurfacing paved shoulders and gutters, removing call boxes, upgrading drainage inlets; upgrading concrete bridge endposts, upgrading existing guardrails and end treatments; installation of new guardrails, and pavement markings)

LEGEND

Protect Inlet 

Perimeter Sediment Control 



SURVEY PLOTTED BY	DATE
DRAWN BY	
INCHES BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
N.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

**INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY**

Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)

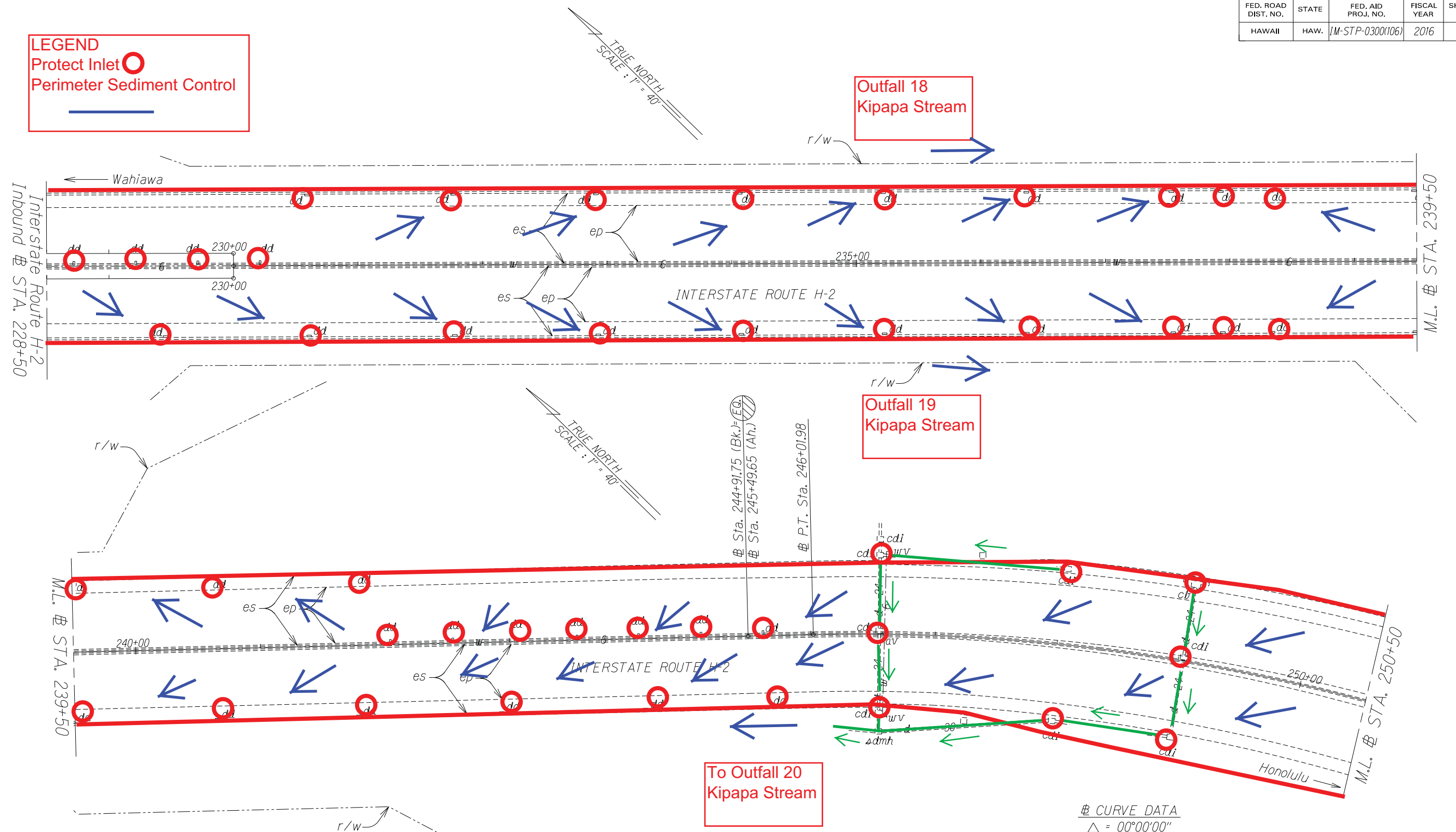
Scale: 1" = 40' Date: Dec., 2014

SHEET No. 14 OF 33 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

LEGEND

Protect Inlet 
Perimeter Sediment Control



BMP PLAN ROAD CONSTRUCTION

Road Construction (Cold planing, resurfacing paved shoulders and gutters, removing call boxes, upgrading drainage inlets; upgrading concrete bridge endposts, upgrading existing guardrails and end treatments; installation of new guardrails, and pavement markings)

£ CURVE DATA

$$\begin{aligned}\Delta &= 00^{\circ}00'00'' \\ R &= 2500.00' \\ T &= 0.000 \\ C &= 794.38' \\ Lc &= 797.76' \\ S. E. &= 0.00 \text{ ft/ft}\end{aligned}$$

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY

Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)

Scale: 1" = 40' Date: Dec., 2014

SHEET No. 15 OF 33 SHEETS

Date: June 23, 2016

00

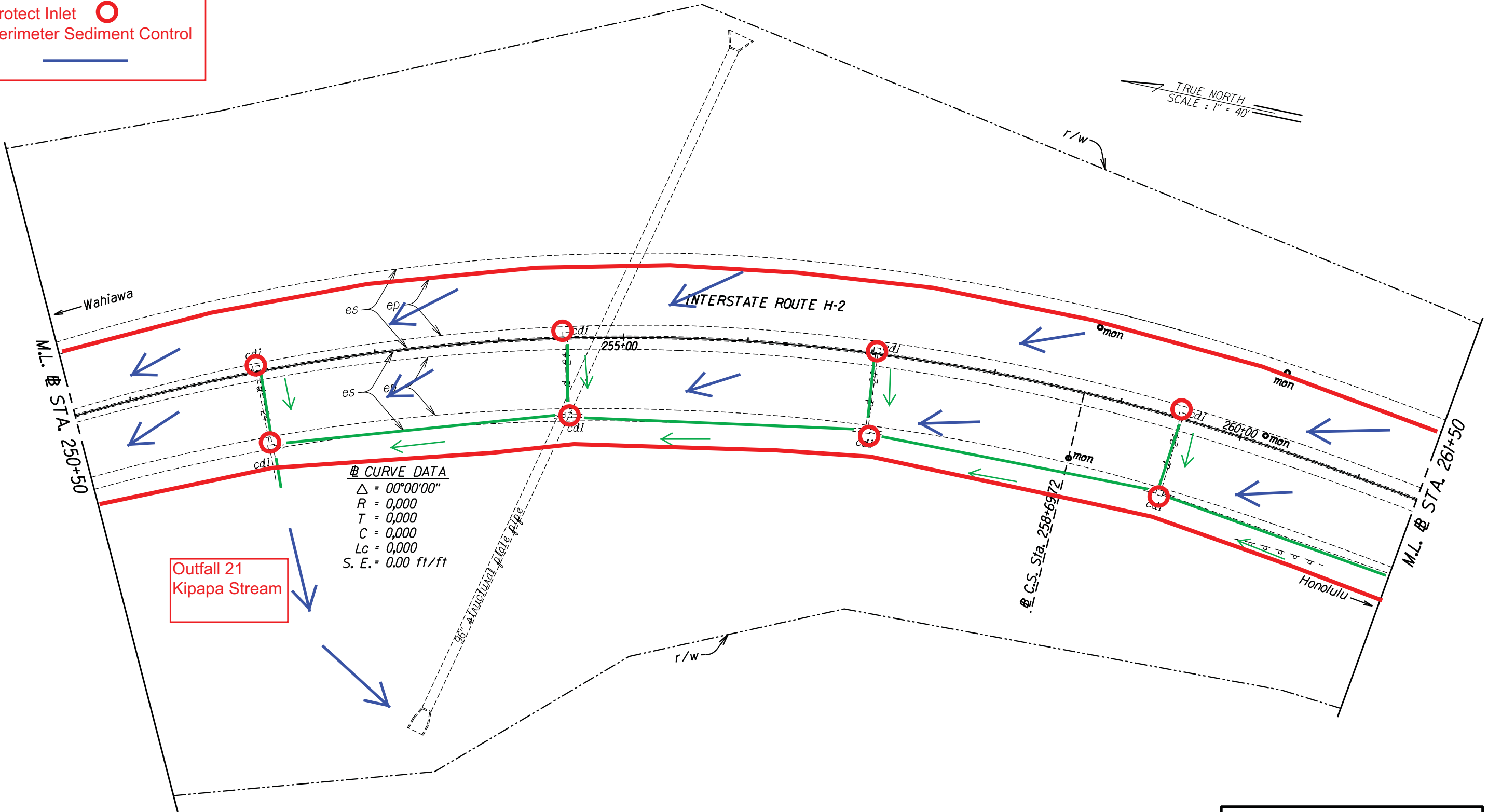
ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
NOTE BOOK	DRAWN BY _____
	TRACED BY _____
	DESIGNED BY _____
	QUANTITIES BY _____
\$s.	CHECKED BY _____

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

LEGEND

Protect Inlet

Perimeter Sediment Control



BMP PLAN ROAD CONSTRUCTION
Road Construction (Cold planing, resurfacing paved shoulders and gutters, removing call boxes, upgrading drainage inlets; upgrading concrete bridge endposts, upgrading existing guardrails and end treatments; installation of new guardrails, and pavement markings)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

**INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY**

Guardrail and Shoulder Improvements

Federal-Aid Project No. IM-STP-0300(106)

Scale: 1" = 40' Date: Dec., 2014

SHEET No. 16 OF 33 SHEETS

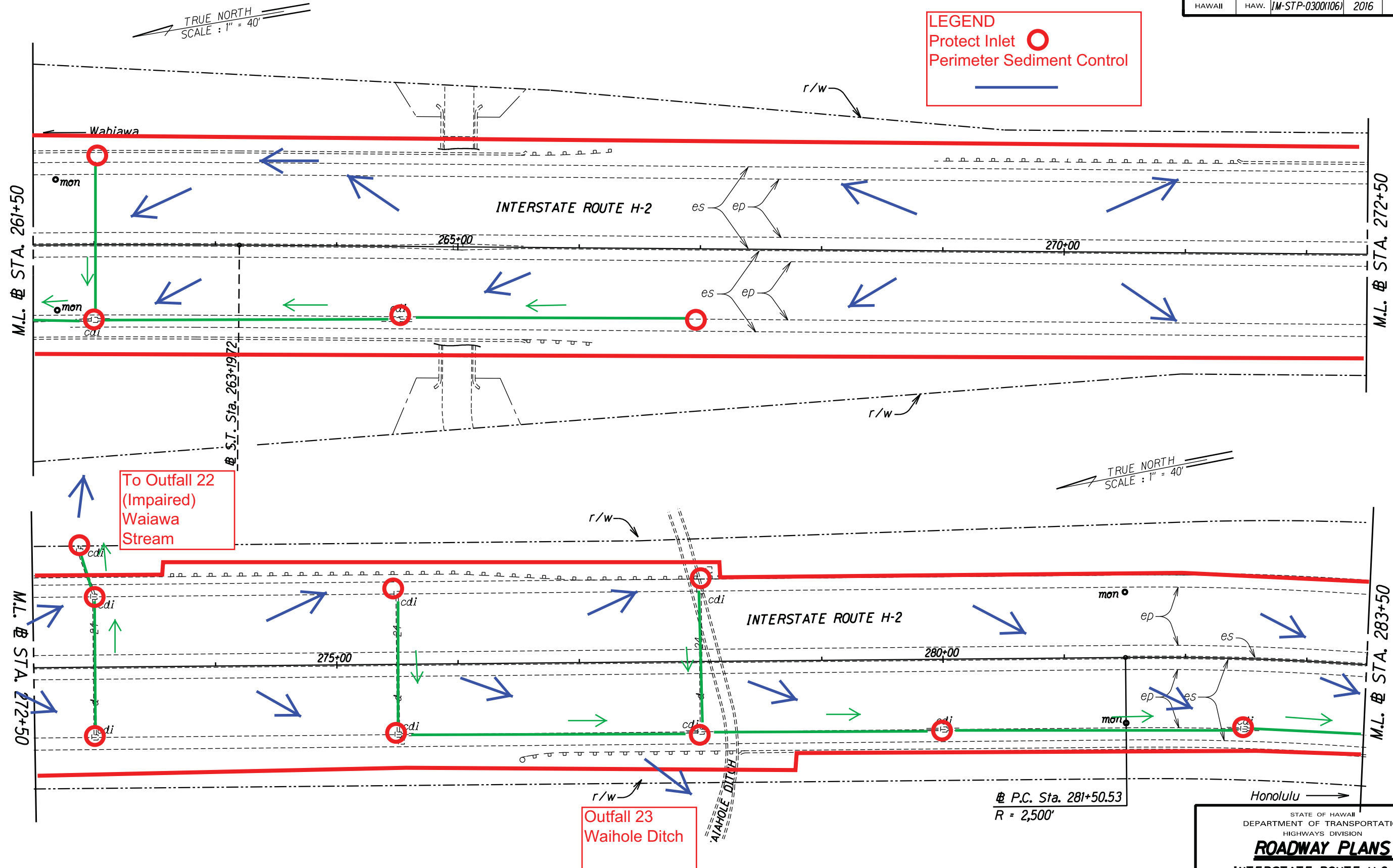
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

TRUE NORTH
SCALE : 1" = 40'

LEGEND

Protect Inlet

Perimeter Sediment Control



SURVEY PLOTTED BY	DATE
DRAWN BY	
CHECKED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

BMP PLAN ROAD CONSTRUCTION
 Road Construction (Cold planing, resurfacing paved shoulders and gutters, removing call boxes, upgrading drainage inlets; upgrading concrete bridge endposts, upgrading existing guardrails and end treatments; installation of new guardrails, and pavement markings)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY

Guardrail and Shoulder Improvements

Federal-Aid Project No. IM-STP-0300(106)

Scale: 1" = 40' Date: Dec., 2014

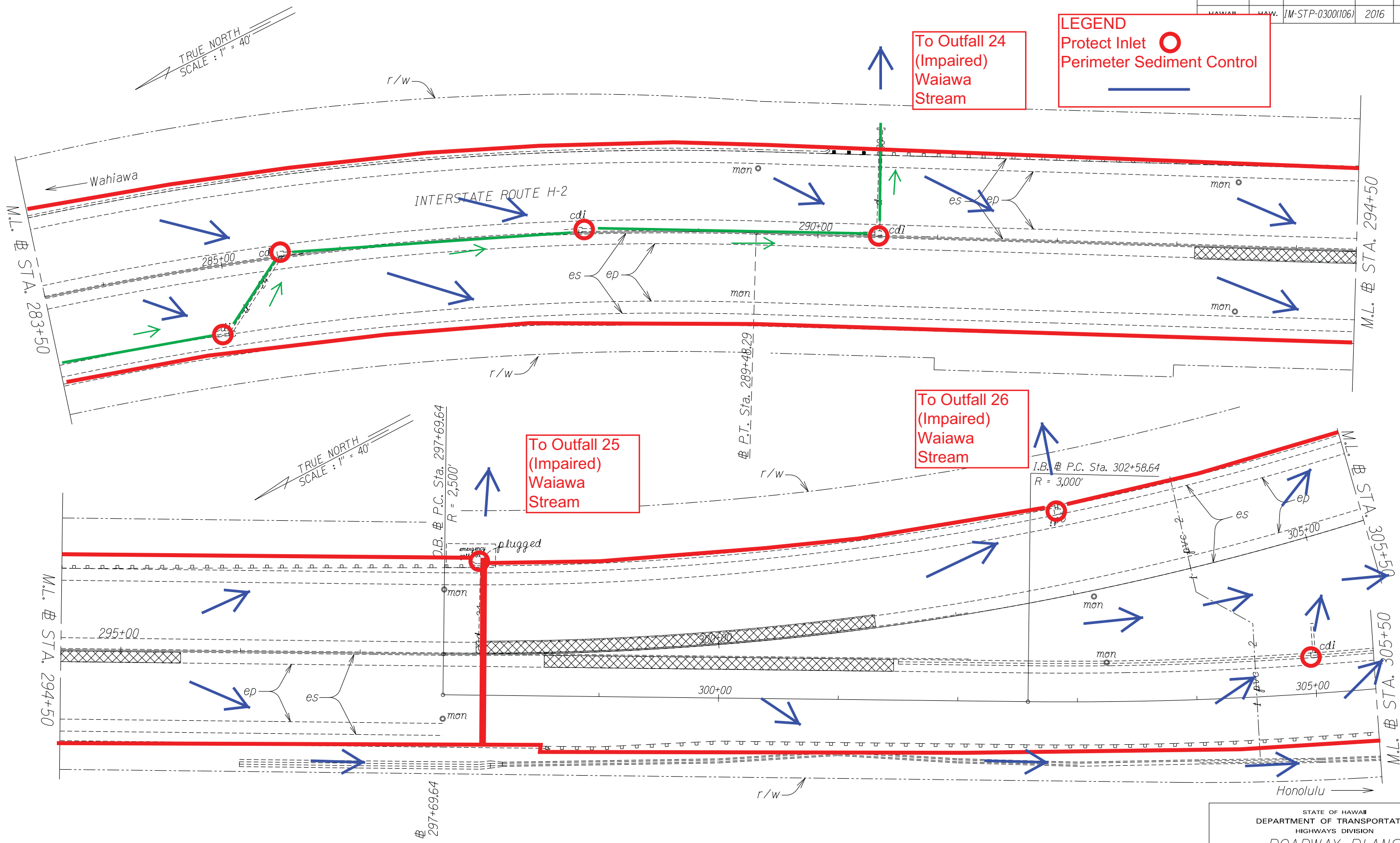
SHEET No. 17 OF 33 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

LEGEND

Protect Inlet

Perimeter Sediment Control



BMP PLAN ROAD CONSTRUCTION
Road Construction (Cold planing, resurfacing paved shoulders and gutters, removing call boxes, upgrading drainage inlets; upgrading concrete bridge endposts, upgrading existing guardrails and end treatments; installation of new guardrails, and pavement markings)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY

Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014

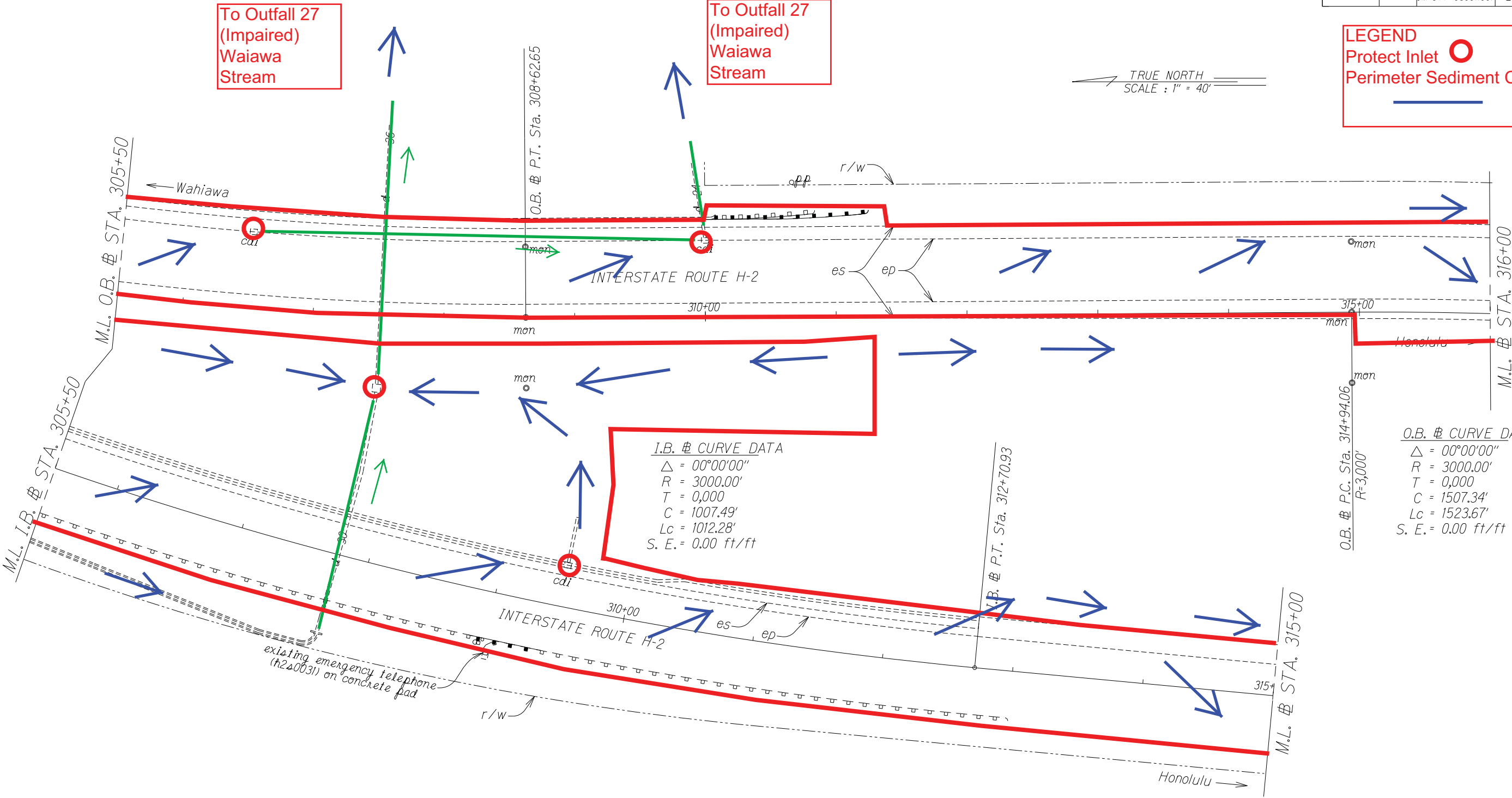
SHEET No. 18 OF 33 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	
INCHES BY	
QUANTITIES BY	
CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

LEGEND
Protect Inlet 
Perimeter Sediment Control 

TRUE NORTH
SCALE : 1" = 40'



I.B. # CURVE DATA

$\Delta = 00^{\circ}00'00''$
 $R = 3000.00'$
 $T = 0.000$
 $C = 1007.49'$
 $L_c = 1012.28'$
 $S. E. = 0.00 \text{ ft/ft}$

O.B. # CURVE DATA

$\Delta = 00^{\circ}00'00''$
 $R = 3000.00'$
 $T = 0.000$
 $C = 1507.34'$
 $L_c = 1523.67'$
 $S. E. = 0.00 \text{ ft/ft}$

BMP PLAN ROAD CONSTRUCTION

Road Construction (Cold planing, resurfacing paved shoulders and gutters, removing call boxes, upgrading drainage inlets; upgrading concrete bridge endposts, upgrading existing guardrails and end treatments; installation of new guardrails, and pavement markings)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLANS
INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY
Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014

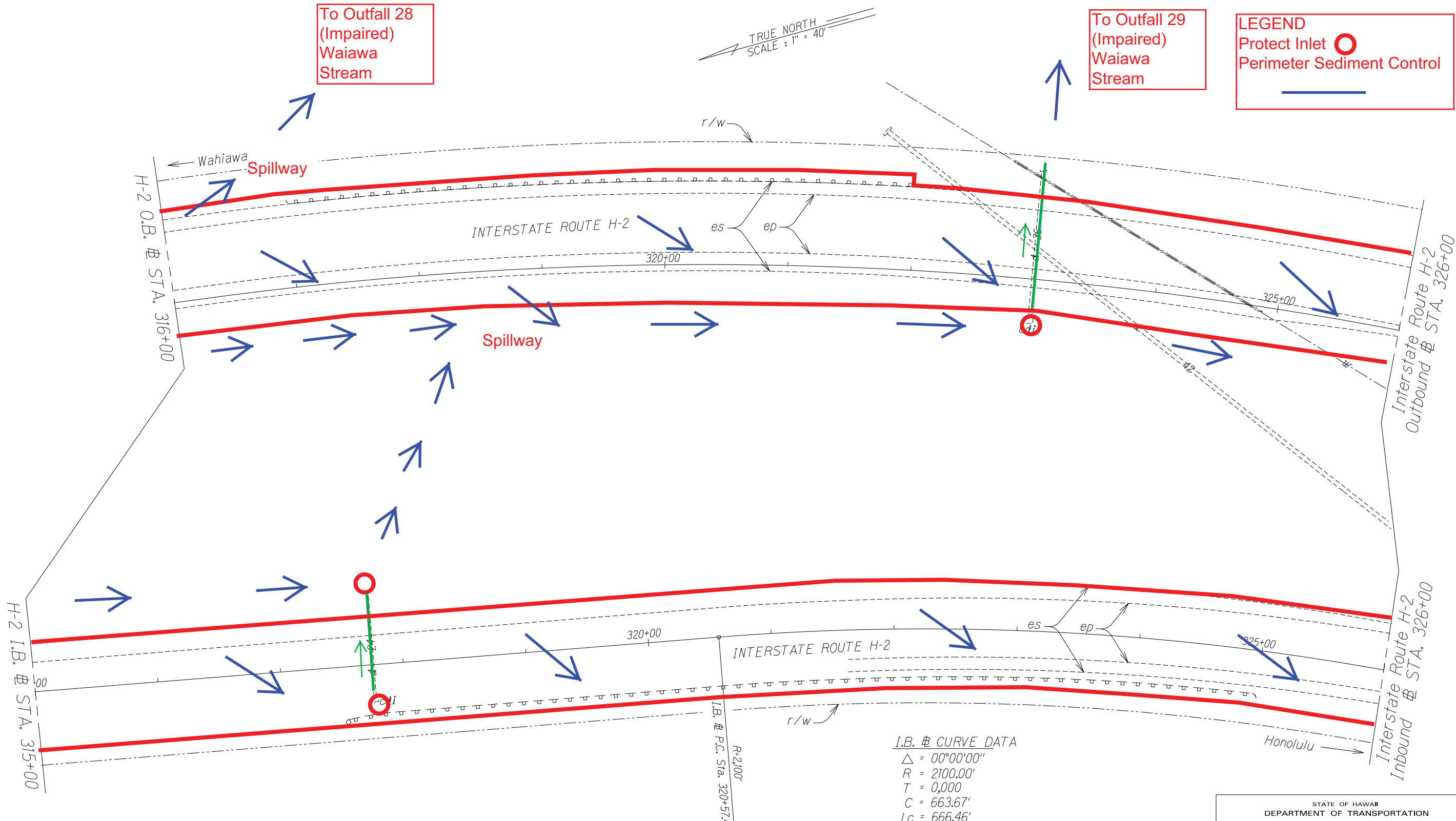
SHEET No. 19 OF 33 SHEETS

Date June 27, 2016

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
N#	TRACED BY	
	QUANTITIES BY	
	CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

SURVEY PLOTTED BY	DATE
DRAWN BY	
INCHES BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
N.	



BMP PLAN ROAD CONSTRUCTION
Road Construction (Cold planing, resurfacing paved shoulders and gutters, removing call boxes, upgrading drainage inlets; upgrading concrete bridge endposts, upgrading existing guardrails and end treatments; installation of new guardrails, and pavement markings)

LEGEND
Protect Inlet
Perimeter Sediment Control

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLANS
INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY
Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014

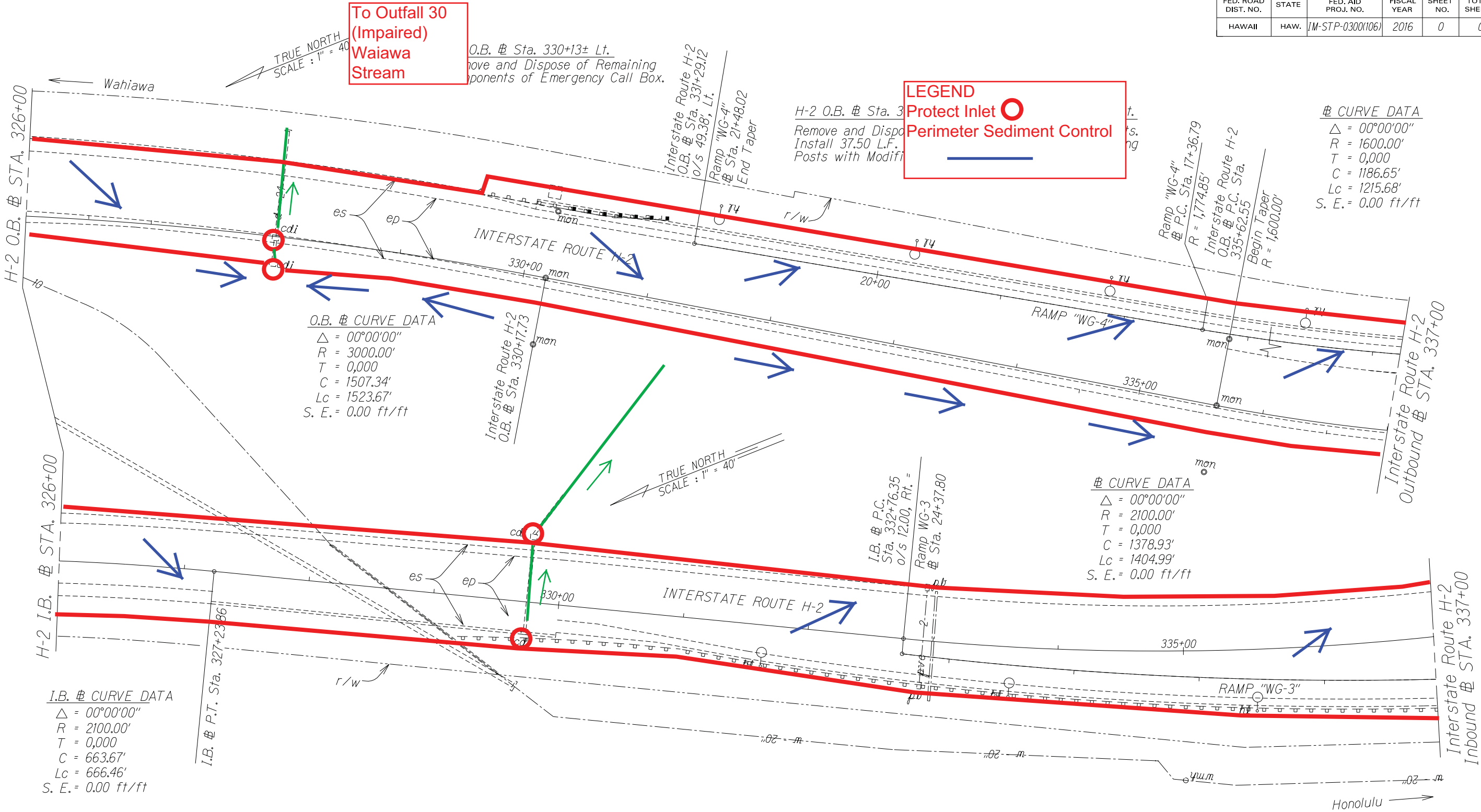
SHEET No. 20 OF 33 SHEETS

Date: June 27, 2016

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

SURVEY PLOTTED BY	DATE
DRAWN BY	
INCHES BY	
QUANTITIES BY	
CHECKED BY	
N.	

BMP PLAN ROAD CONSTRUCTION
Road Construction (Cold planing, resurfacing paved shoulders and gutters, removing call boxes, upgrading drainage inlets; upgrading concrete bridge endposts, upgrading existing guardrails and end treatments; installation of new guardrails, and pavement markings)



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

LEGEND
Protect Inlet 
Perimeter Sediment Control 

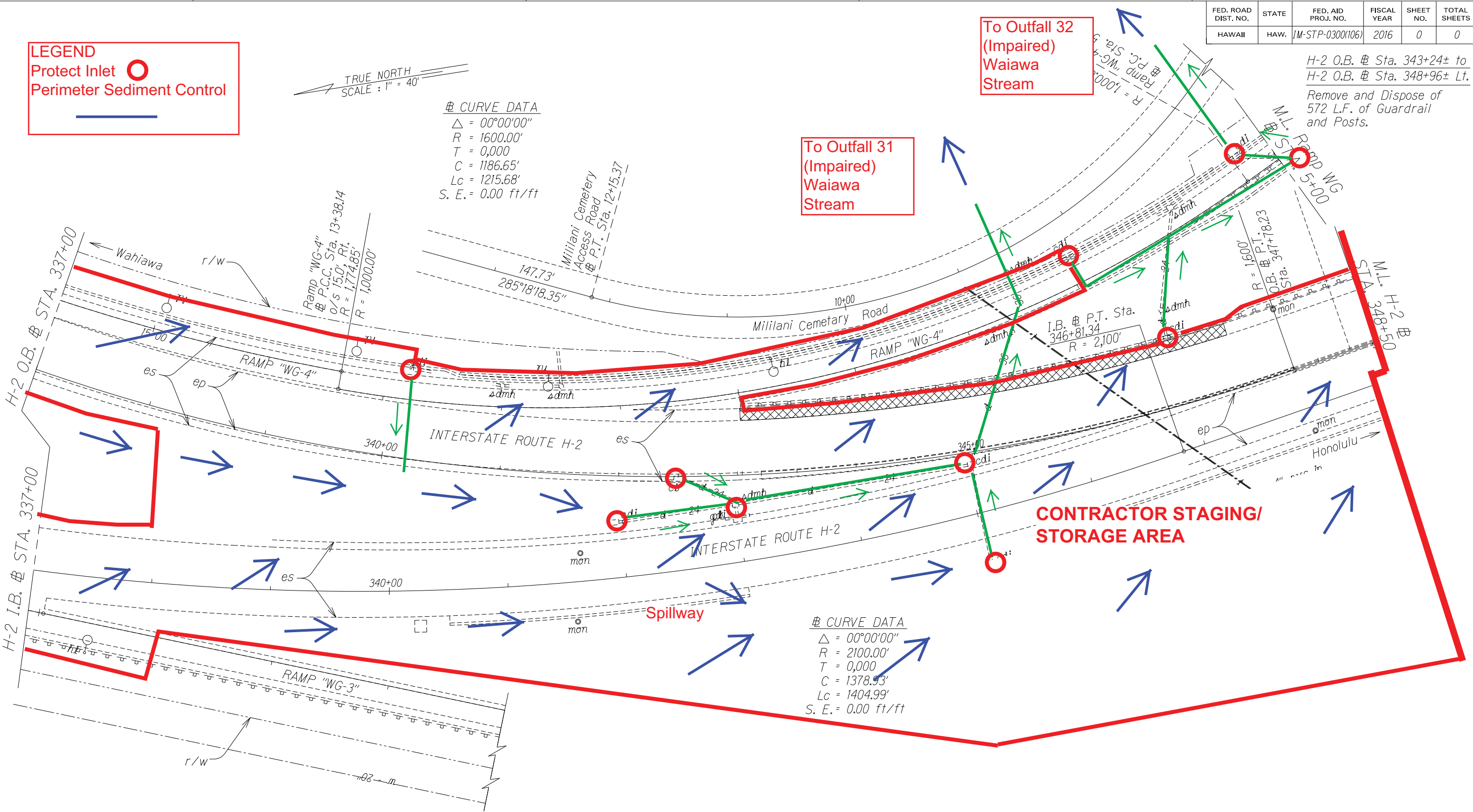
TRUE NORTH
SCALE : 1" = 40'

CURVE DATA
 $\Delta = 00^{\circ}00'00''$
 $R = 1600.00'$
 $T = 0.000$
 $C = 1186.65'$
 $Lc = 1215.68'$
 $S. E. = 0.00 \text{ ft/ft}$

To Outfall 32
(Impaired)
Waiawa
Stream

To Outfall 31
(Impaired)
Waiawa
Stream

H-2 O.B. @ Sta. 343+24± to
H-2 O.B. @ Sta. 348+96± Lt.
Remove and Dispose of
572 L.F. of Guardrail
and Posts.



BMP PLAN ROAD CONSTRUCTION
Road Construction (Cold planing, resurfacing paved shoulders and gutters, removing call boxes, upgrading drainage inlets; upgrading concrete bridge endposts, upgrading existing guardrails and end treatments; installation of new guardrails, and pavement markings)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLANS
INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY
Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014
SHEET No. 22 OF 33 SHEETS

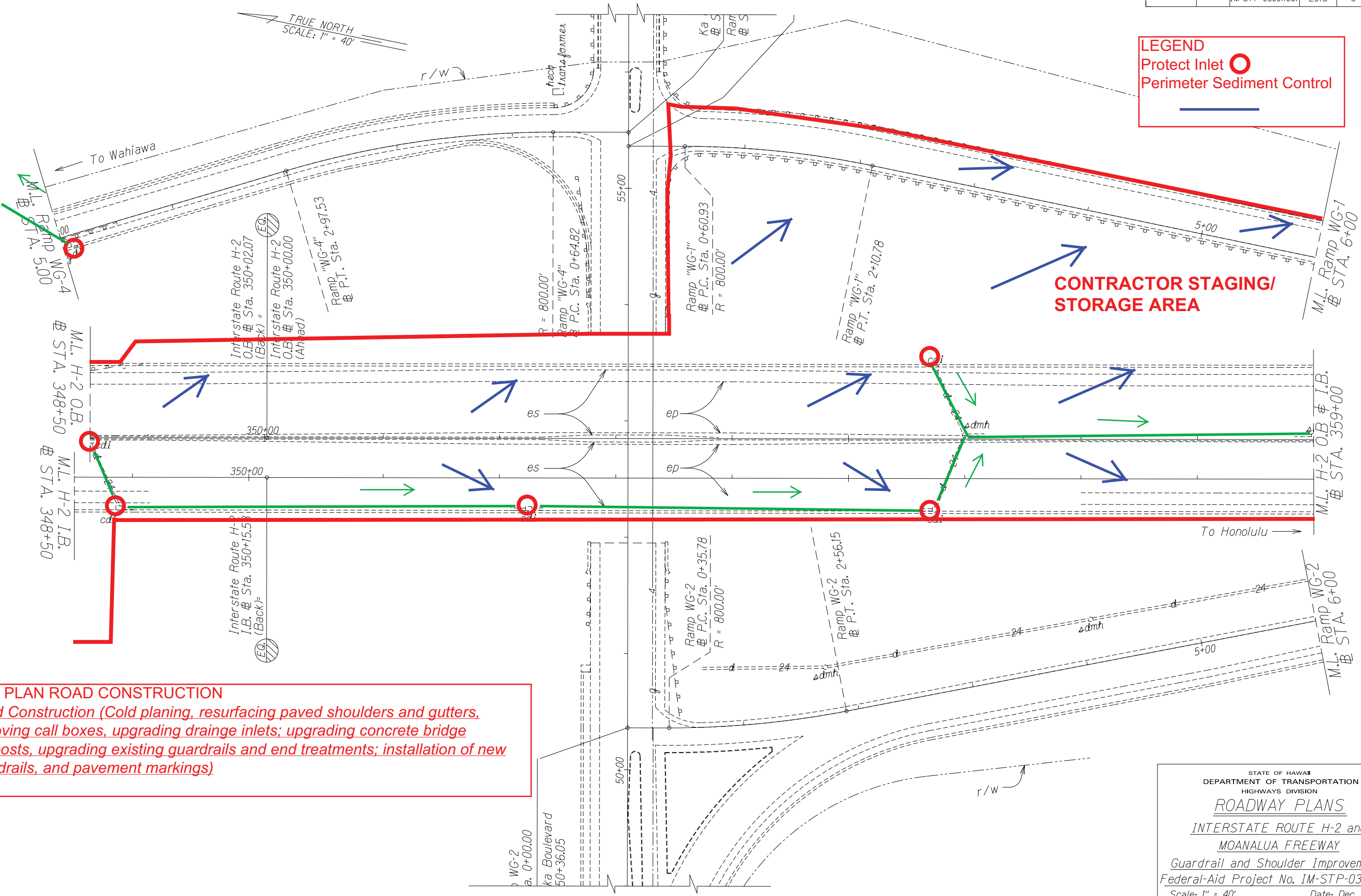
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	TRACED BY	
	QUANTITIES BY	
	CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

LEGEND

Protect Inlet 

Perimeter Sediment Control 



BMP PLAN ROAD CONSTRUCTION
Road Construction (Cold planing, resurfacing paved shoulders and gutters, removing call boxes, upgrading drainage inlets; upgrading concrete bridge endposts, upgrading existing guardrails and end treatments; installation of new guardrails, and pavement markings)

SURVEY PLOTTED BY	DATE
DRAWN BY	
INCHES BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
N.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

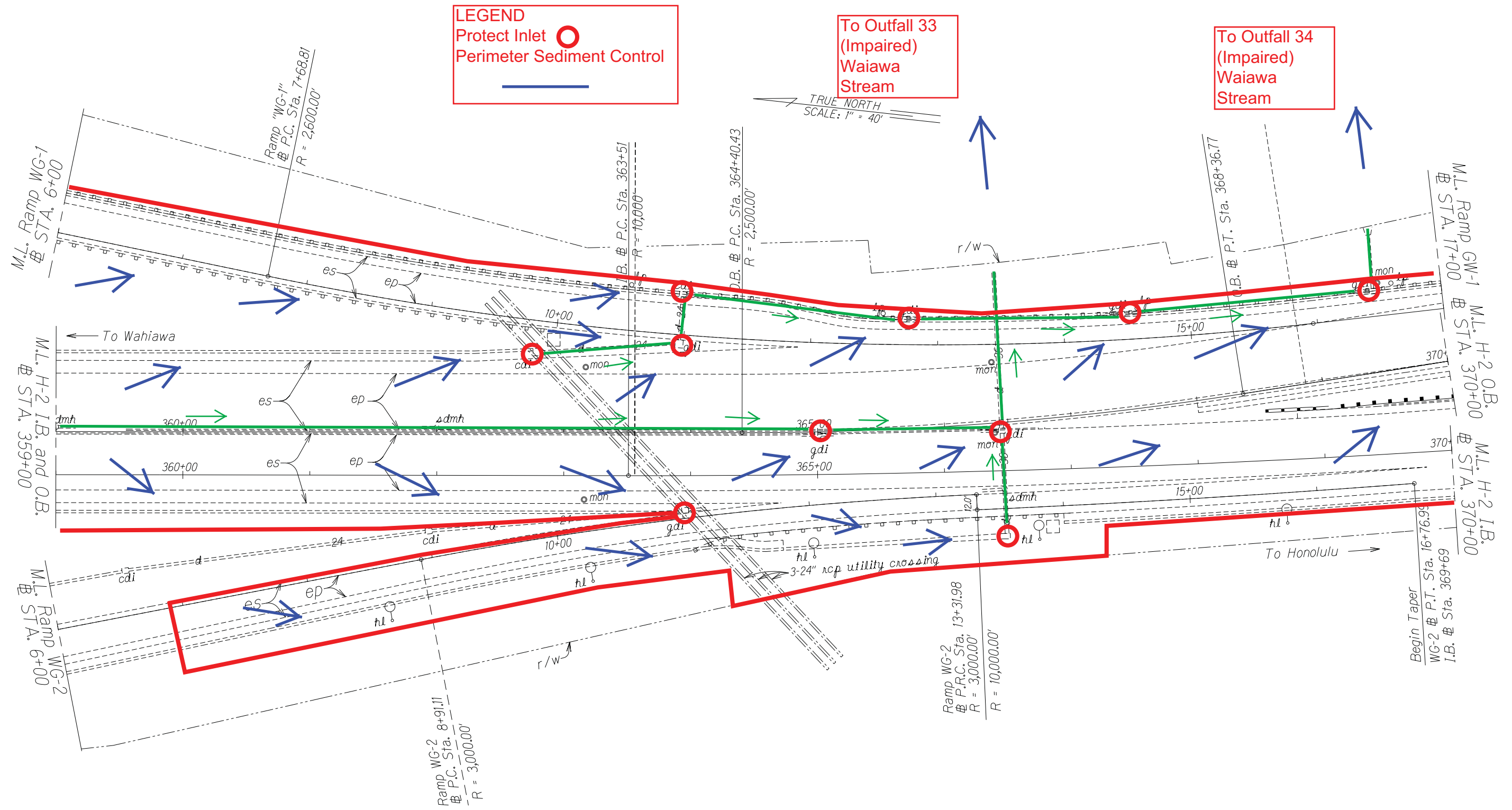
INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY

Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)

Scale: 1" = 40' Date: Dec., 2014

SHEET No. 23 OF 33 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0



BMP PLAN ROAD CONSTRUCTION
Road Construction (Cold planing, resurfacing paved shoulders and gutters, removing call boxes, upgrading drainage inlets; upgrading concrete bridge endposts, upgrading existing guardrails and end treatments; installation of new guardrails, and pavement markings)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLANS
*INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY*
Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014

SHEET No. 24 OF 33 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
N#	TRACED BY	
	QUANTITIES BY	
	CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

LEGEND

Protect Inlet

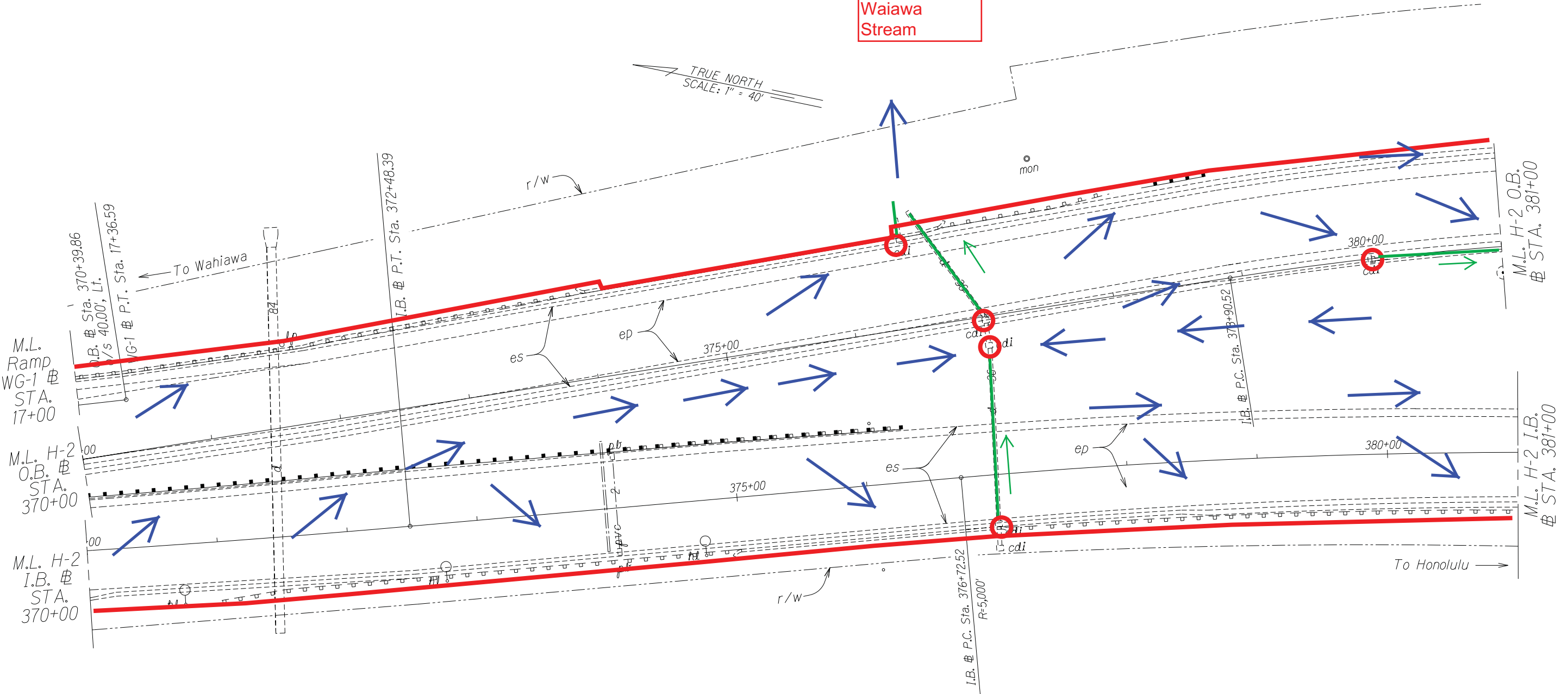
Perimeter Sediment Control

To Outfall 35

(Impaired)

Waiawa

Stream



BMP PLAN ROAD CONSTRUCTION

Road Construction (Cold planing, resurfacing paved shoulders and gutters, removing call boxes, upgrading drainage inlets; upgrading concrete bridge endposts, upgrading existing guardrails and end treatments; installation of new guardrails, and pavement markings)

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and

MOANALUA FREEWAY

Guardrail and Shoulder Improvements

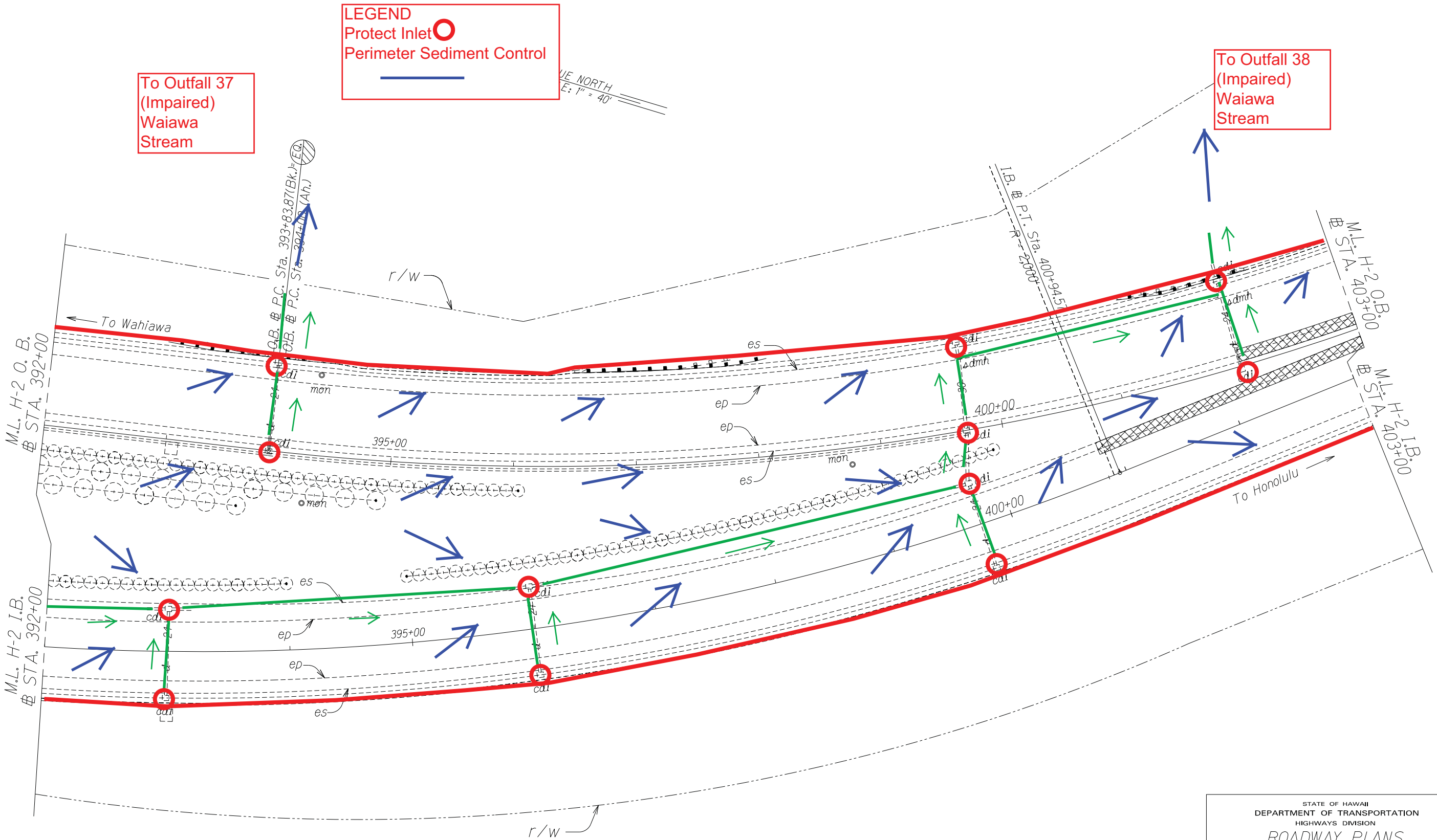
Federal-Aid Project No. IM-STP-0300(106)

Scale: 1" = 40'

Date: Dec., 2014

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	INCHES BY	
	QUANTITIES BY	
	CHECKED BY	



BMP PLAN ROAD CONSTRUCTION
Road Construction (Cold planing, resurfacing paved shoulders and gutters, removing call boxes, upgrading drainage inlets; upgrading concrete bridge endposts, upgrading existing guardrails and end treatments; installation of new guardrails, and pavement markings)

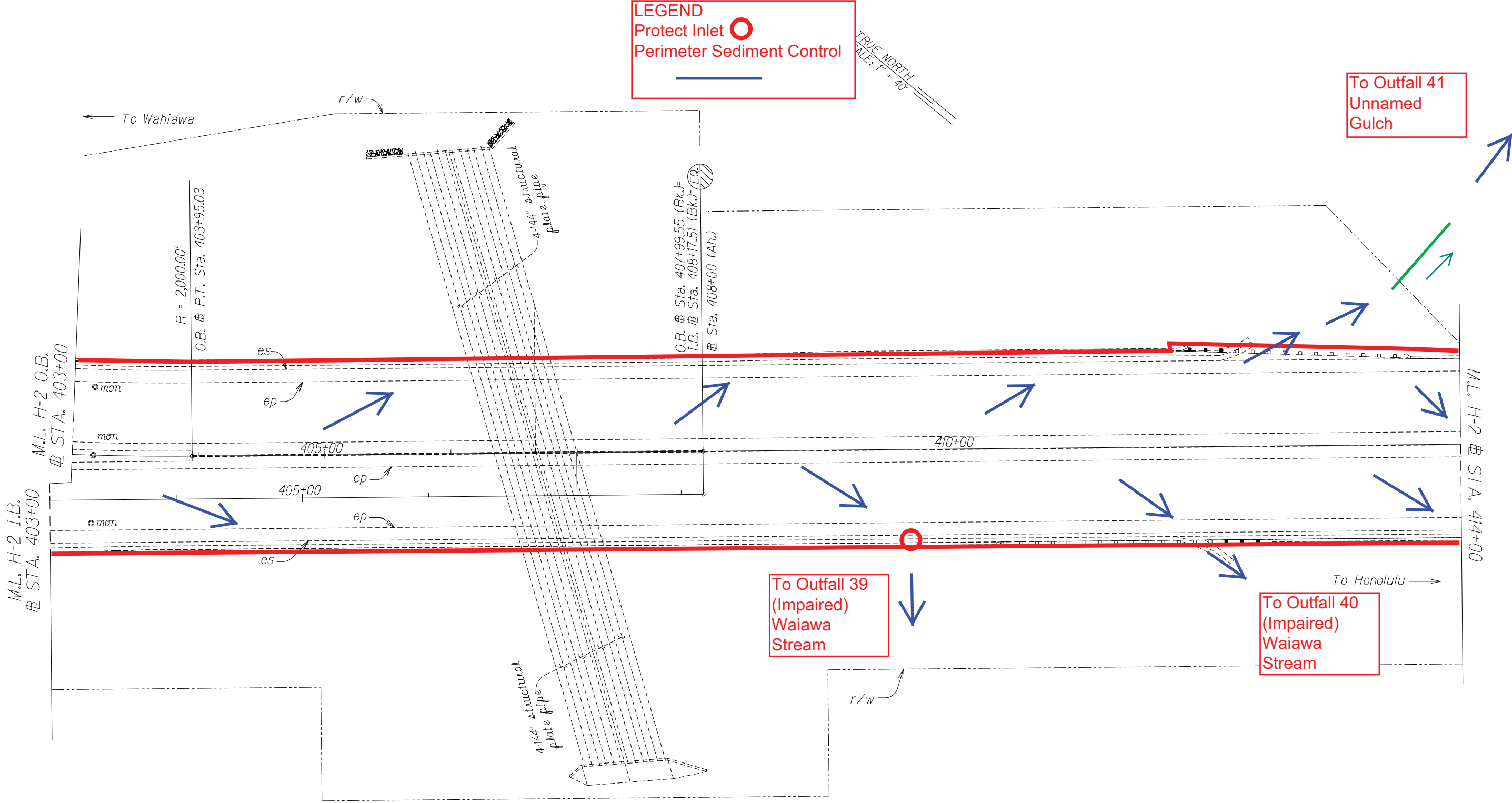
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLANS
*INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY*
Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014
SHEET No. 27 OF 33 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

LEGEND

Protect Inlet

Perimeter Sediment Control



BMP PLAN ROAD CONSTRUCTION
Road Construction (Cold planing, resurfacing paved shoulders and gutters, removing call boxes, upgrading drainage inlets; upgrading concrete bridge endposts, upgrading existing guardrails and end treatments; installation of new guardrails, and pavement markings)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY

Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)

Scale: 1" = 40' Date: Dec., 2014

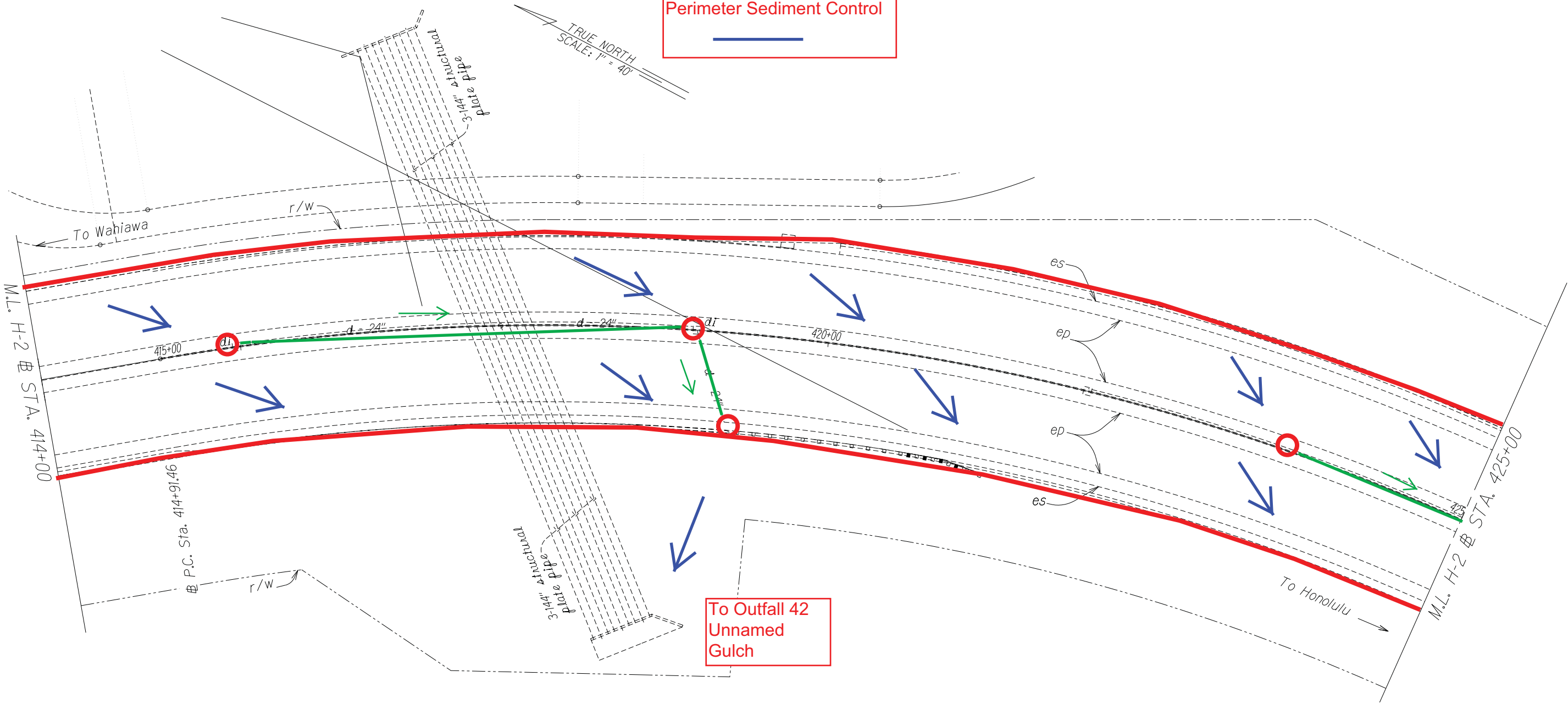
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
N _o .	INCHES BY	
	QUANTITIES BY	
	CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

LEGEND

Protect Inlet

Perimeter Sediment Control



BMP PLAN ROAD CONSTRUCTION
Road Construction (Cold planing, resurfacing paved shoulders and gutters, removing call boxes, upgrading drainage inlets; upgrading concrete bridge endposts, upgrading existing guardrails and end treatments; installation of new guardrails, and pavement markings)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY

Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)

Scale: 1" = 40' Date: Dec., 2014

SHEET No. 30 OF 33 SHEETS

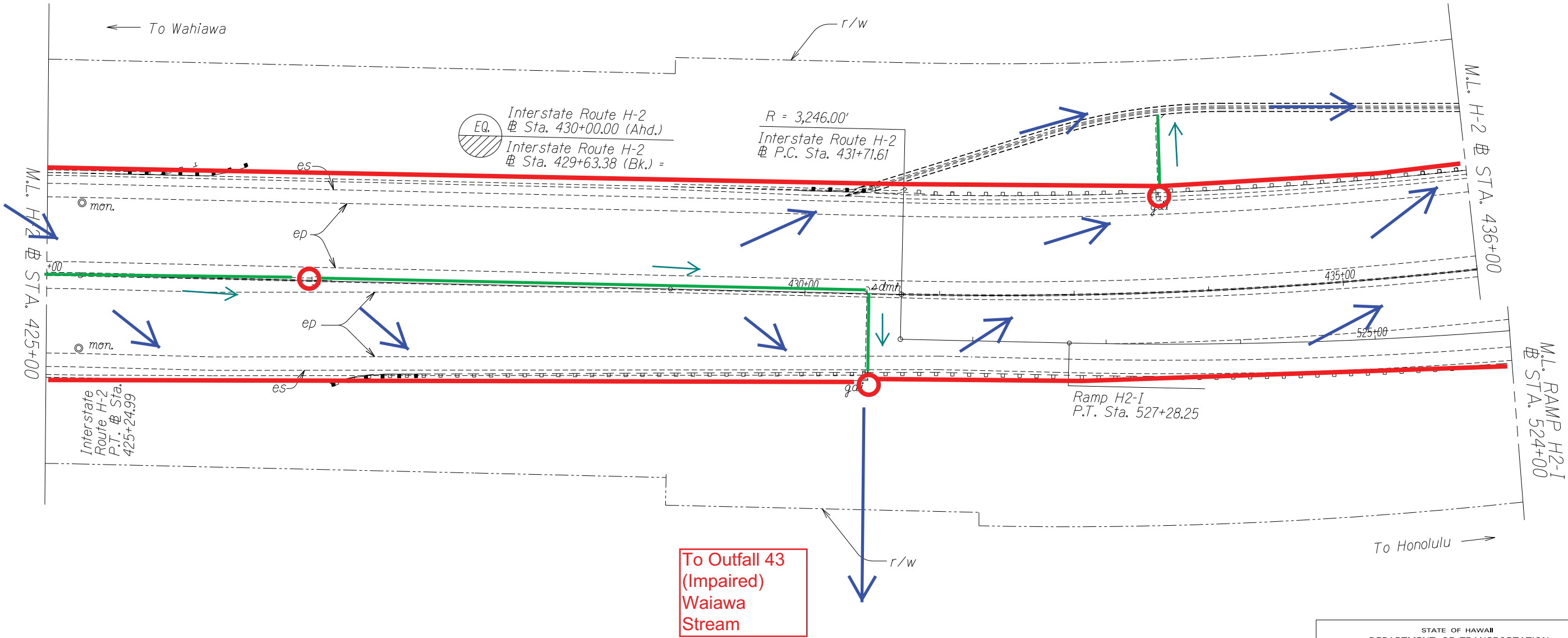
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

LEGEND

Protect Inlet

Perimeter Sediment Control

TRUE NORTH
SCALE: 1" = 40'



BMP PLAN ROAD CONSTRUCTION
Road Construction (Cold planing, resurfacing paved shoulders and gutters, removing call boxes, upgrading drainage inlets; upgrading concrete bridge endposts, upgrading existing guardrails and end treatments; installation of new guardrails, and pavement markings)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY

Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)

Scale: 1" = 40' Date: Dec., 2014

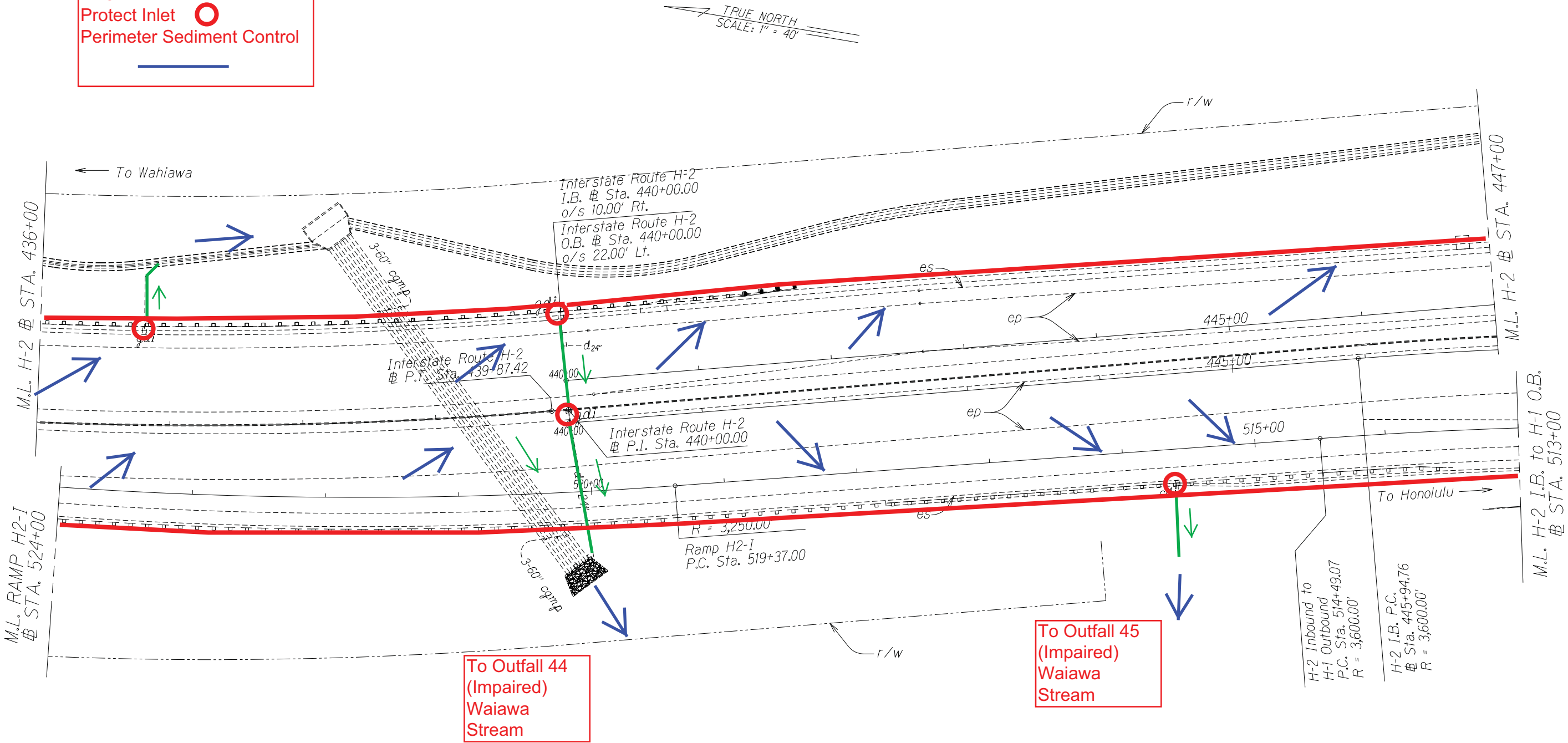
SHEET No. 31 OF 33 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

LEGEND

Protect Inlet

Perimeter Sediment Control



BMP PLAN ROAD CONSTRUCTION
Road Construction (Cold planing, resurfacing paved shoulders and gutters, removing call boxes, upgrading drainage inlets; upgrading concrete bridge endposts, upgrading existing guardrails and end treatments; installation of new guardrails, and pavement markings)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

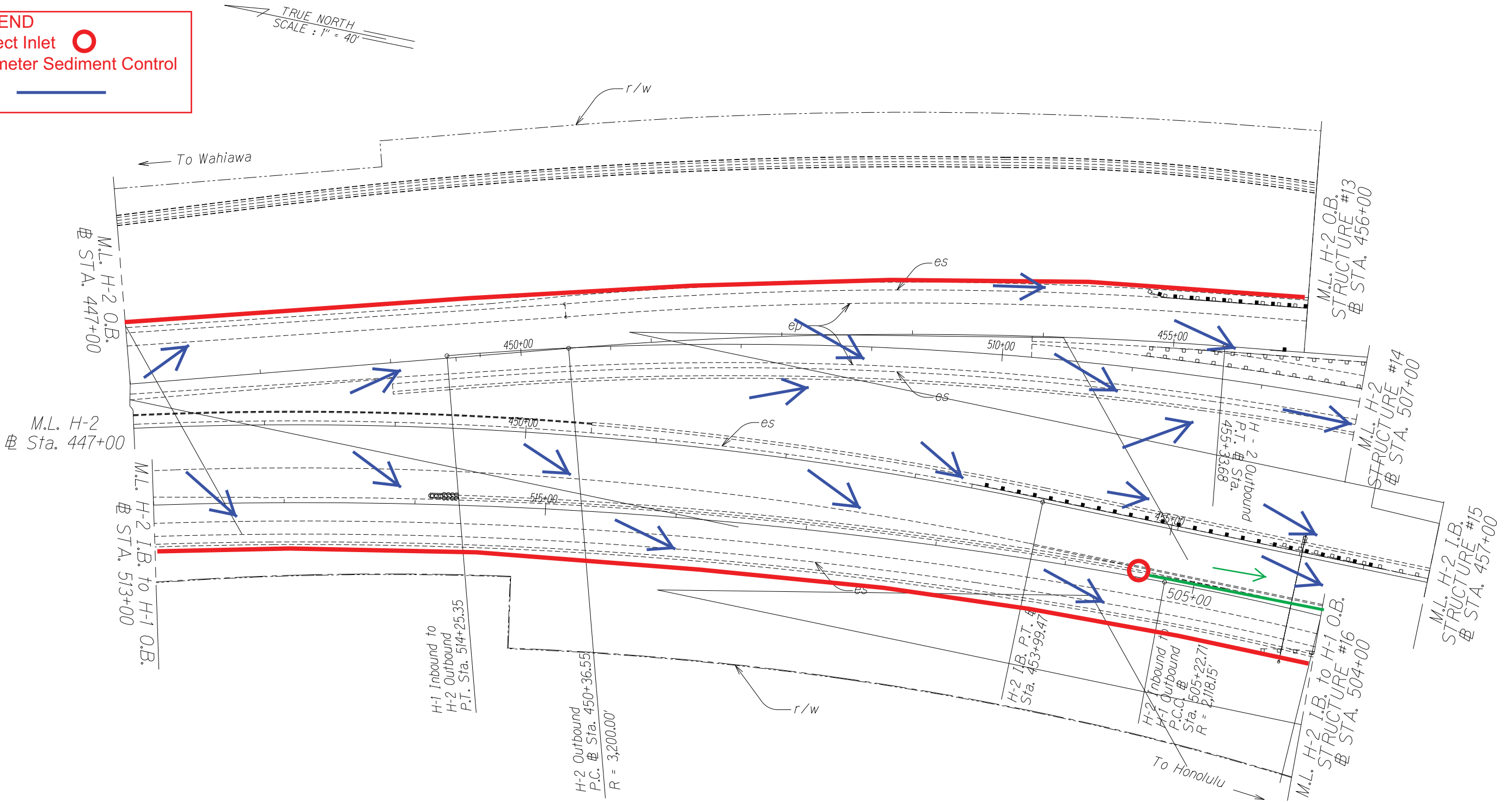
INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY

Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014

SHEET No. 32 OF 33 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

LEGEND
Protect Inlet 
Perimeter Sediment Control 



BMP PLAN ROAD CONSTRUCTION
Road Construction (Cold planing, resurfacing paved shoulders and gutters, removing call boxes, upgrading drainage inlets; upgrading concrete bridge endposts, upgrading existing guardrails and end treatments; installation of new guardrails, and pavement markings)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLANS
*INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY*
Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
N.	TRACED BY	
	QUANTITIES BY	
	CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

LEGEND
Protect Inlet ○
Perimeter Sediment Control —

TRUE NORTH
SCALE : 1" = 40'

Outfall 49
(Impaired)
Waiawa Stream

Outfall 47
(Impaired)
Waiawa Stream

Outfall 46
(Impaired)
Waiawa Stream

Outfall 50
(Impaired)
Waiawa Stream

Outfall 48
(Impaired)
Waiawa Stream

CONTRACTOR STAGING/
STORAGE AREA

BMP PLAN ROAD CONSTRUCTION
Road Construction (Cold planing, resurfacing paved shoulders and gutters, removing call boxes, upgrading drainage inlets; upgrading concrete bridge endposts, upgrading existing guardrails and end treatments; installation of new guardrails, and pavement markings)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLANS
*INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY*
Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014
SHEET No. 34 OF 33 SHEETS

Date: June 21, 2016

00

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

LEGEND

Protect Inlet

Perimeter Sediment Control

To Outfall 51
(Impaired)
Waiawa
Stream

To Outfall 52
(Impaired)
Waiawa
Stream

CONTRACTOR STAGING/
STORAGE AREA

BMP PLAN ROAD CONSTRUCTION
Road Construction (Cold planing, resurfacing paved shoulders and gutters, removing call boxes, upgrading drainage inlets; upgrading concrete bridge endposts, upgrading existing guardrails and end treatments; installation of new guardrails, and pavement markings)

Scale: 1" = 40' Date: Dec., 2014

SHEET No. 35 OF 33 SHEETS

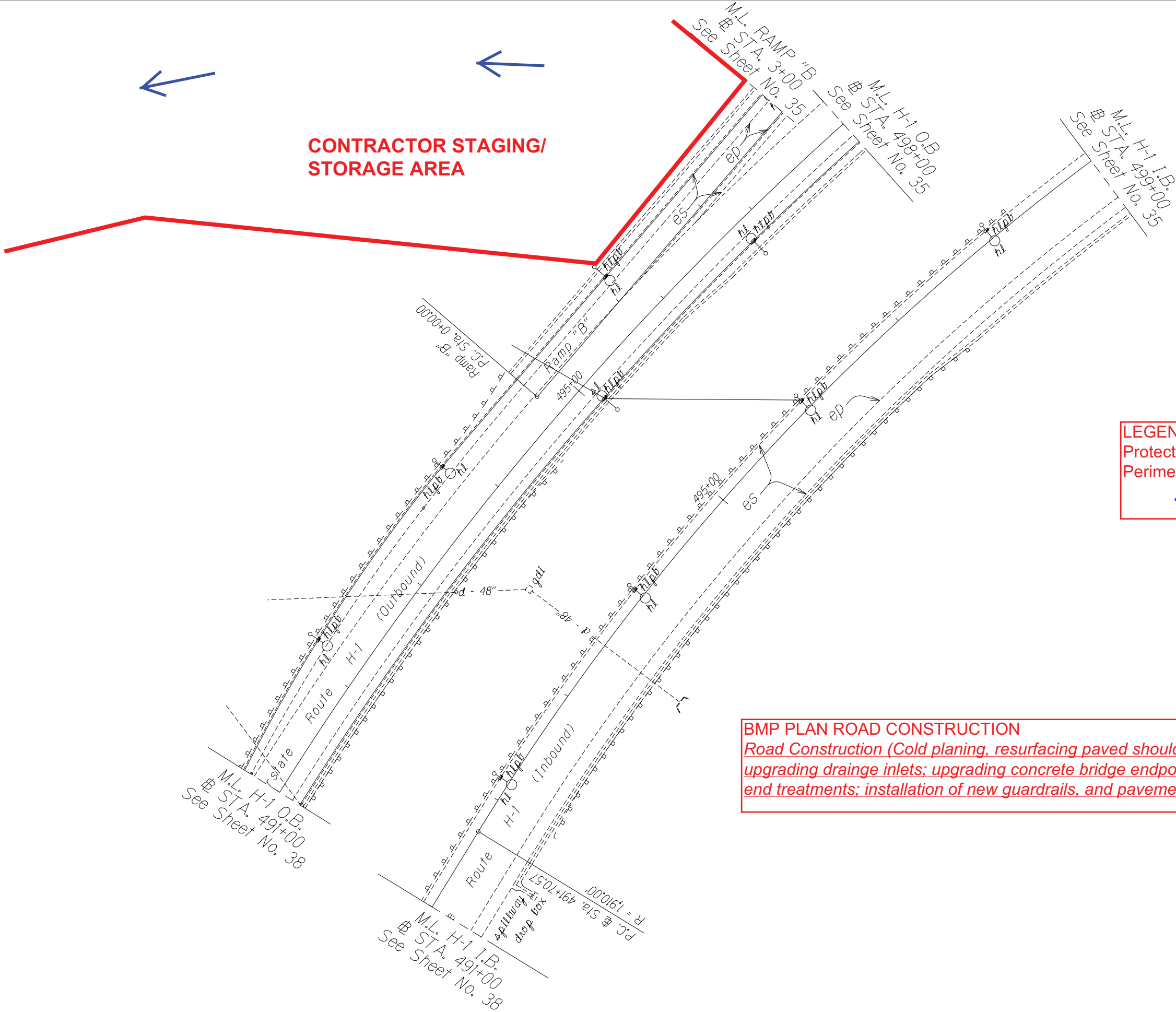
Date: Jan. 26, 2016

00

SURVEY PLOTTED BY	DATE
DRAWN BY	
CHECKED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
N ₁	INCHES BY	
	QUANTITIES BY	
	CHECKED BY	



**CONTRACTOR STAGING/
STORAGE AREA**

LEGEND

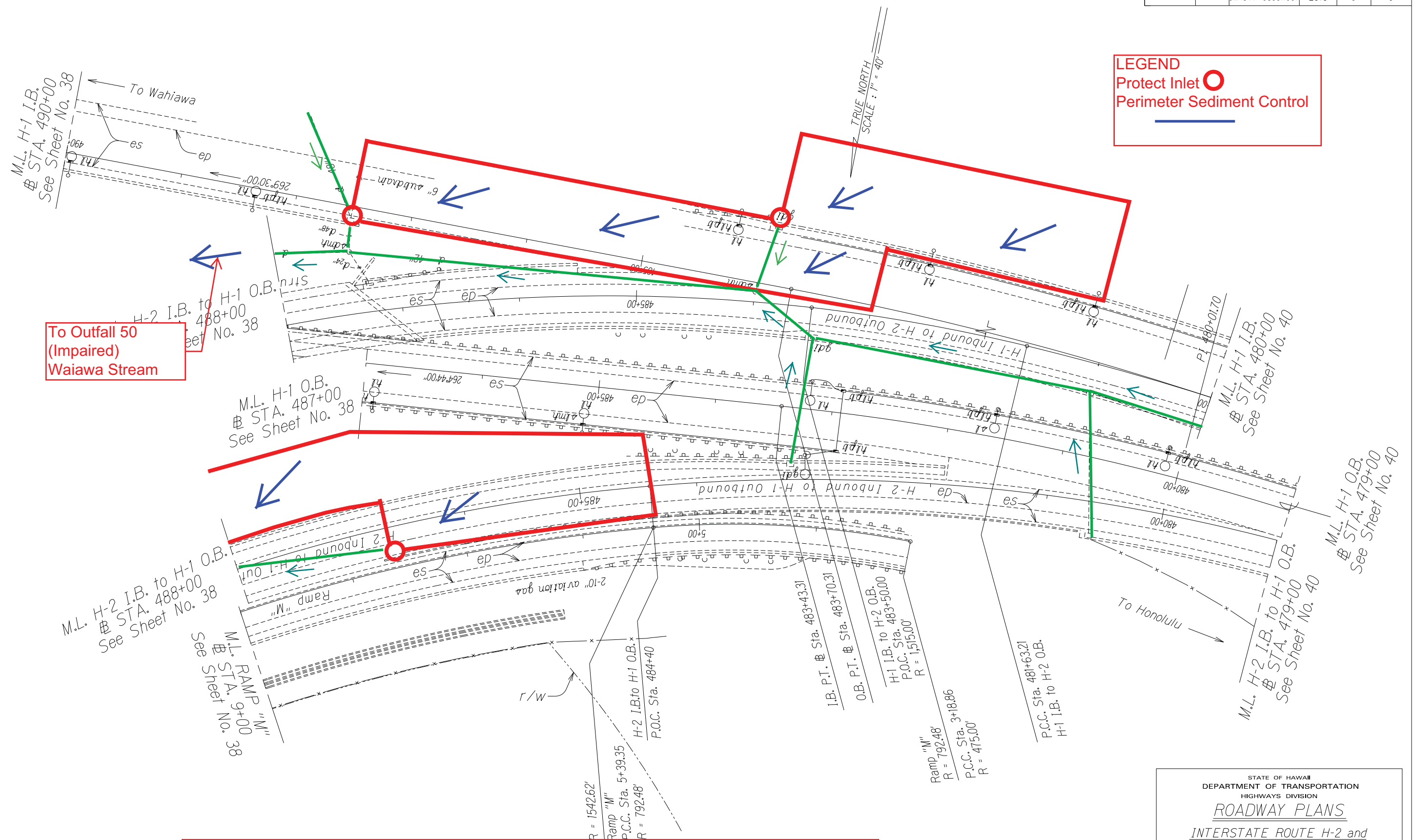
Protect Inlet ○

Perimeter Sediment Control —

BMP PLAN ROAD CONSTRUCTION
Road Construction (Cold planing, resurfacing paved shoulders and gutters, removing call boxes, upgrading drainage inlets; upgrading concrete bridge endposts, upgrading existing guardrails and end treatments; installation of new guardrails, and pavement markings)

DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLANS
*INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY*
Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0



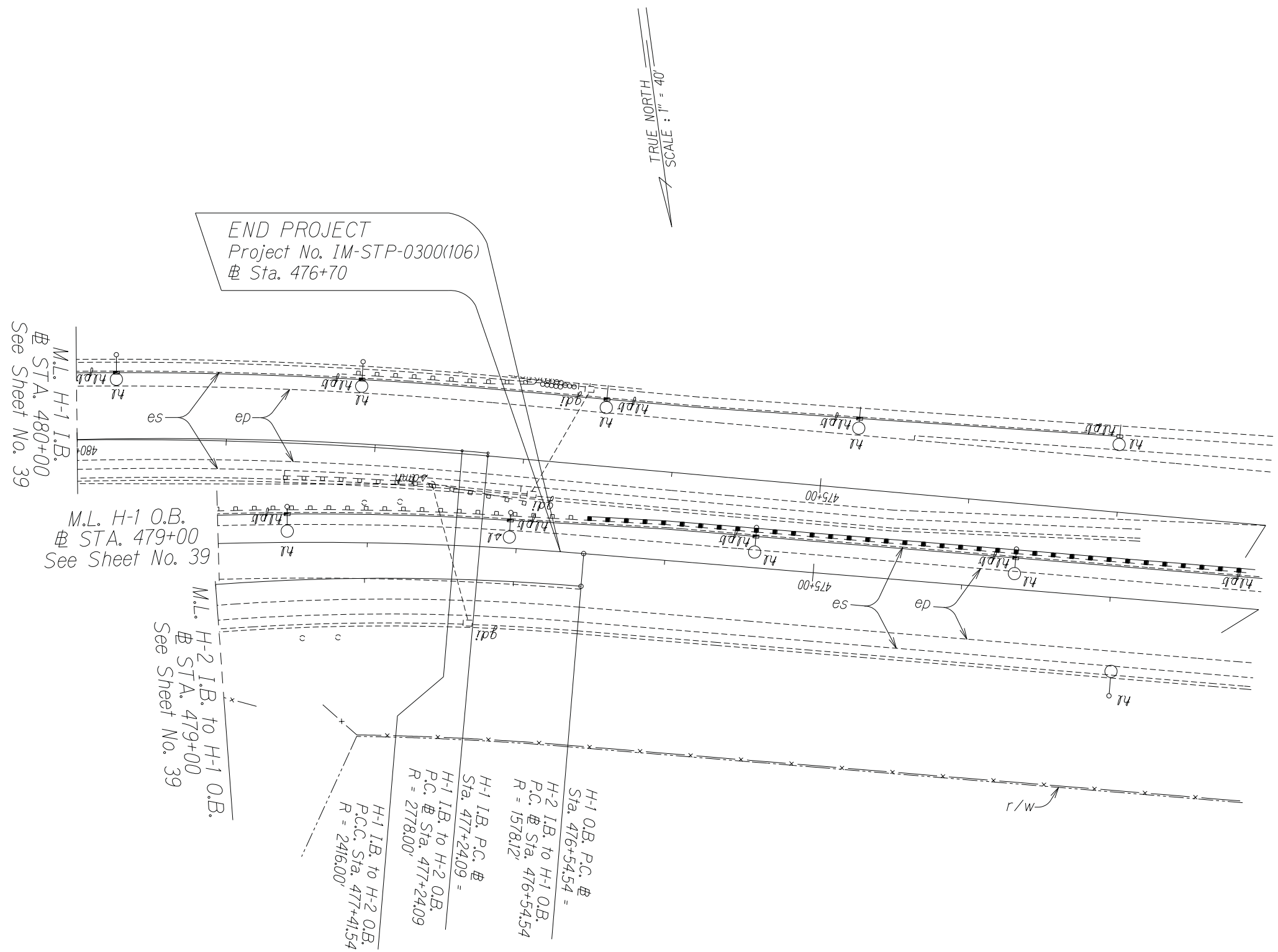
To Outfall 50
(Impaired)
Waiawa Stream

BMP PLAN ROAD CONSTRUCTION

Road Construction (Cold planing, resurfacing paved shoulders and gutters, removing call boxes, upgrading drainage inlets; upgrading concrete bridge endposts, upgrading existing guardrails and end treatments; installation of new guardrails, and pavement markings)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLANS
INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY
Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014
SHEET No. 39 OF 33 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

**INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY**

Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)

Scale: 1" = 40' Date: Dec., 2014

SHEET No. 40 OF 33 SHEETS

June 15, 2016

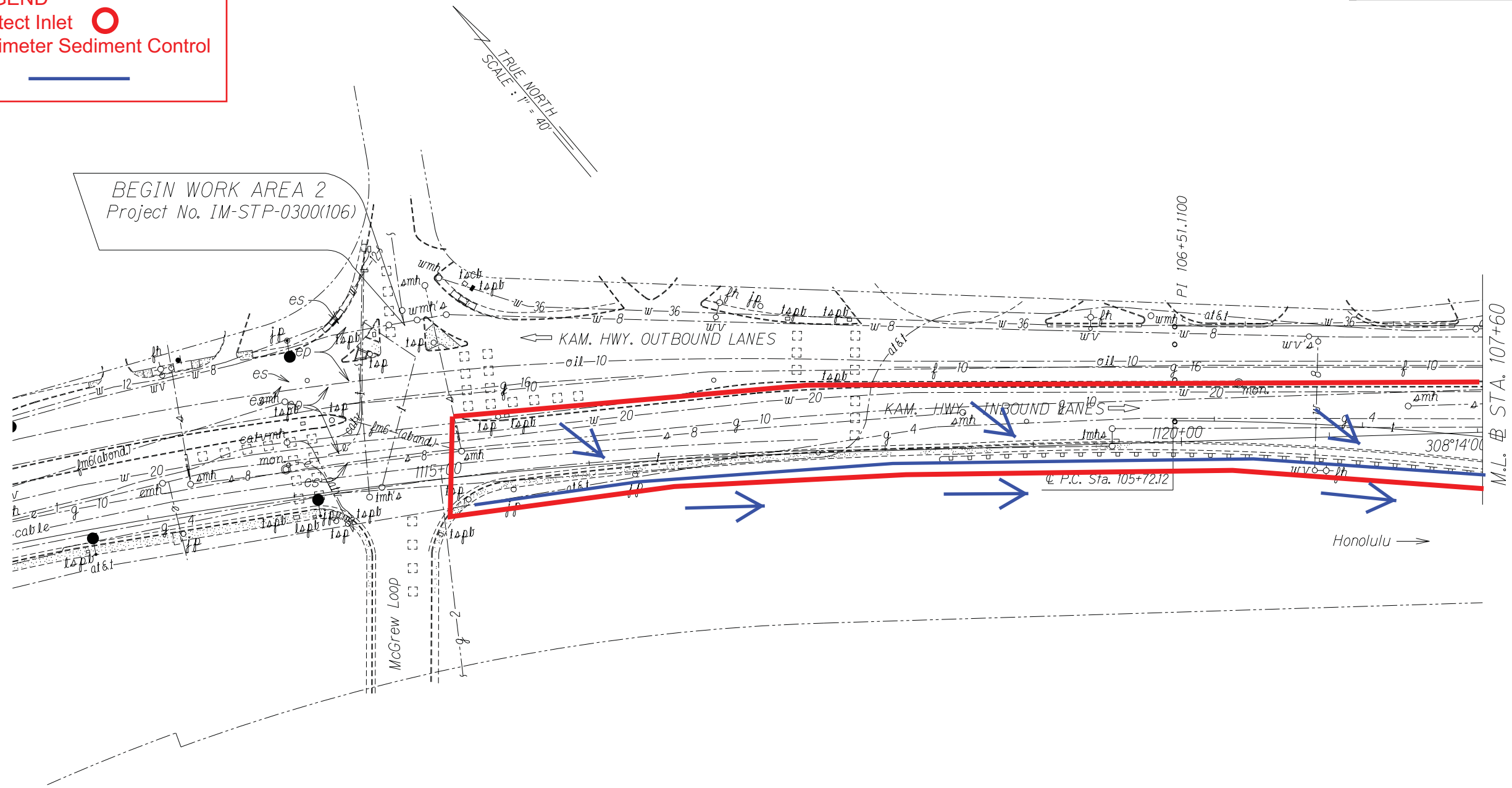
SURVEY PLOTTED BY	DATE
DRAWN BY	
INCHES BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
N ^o .	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

LEGEND

Protect Inlet

Perimeter Sediment Control



BMP PLAN ROAD CONSTRUCTION
Road Construction (Cold planing, resurfacing paved shoulders and gutters, removing call boxes, upgrading drainage inlets; upgrading concrete bridge endposts, upgrading existing guardrails and end treatments; installation of new guardrails, and pavement markings)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY

Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)

Scale: 1" = 40' Date: Dec., 2014

SHEET No. 41 OF 45 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

LEGEND

Protect Inlet

Perimeter Sediment Control

TRUE NORTH
SCALE: 1" = 40'

CURVE DATA
 $\Delta = 00^{\circ}00'00''$
 $R = 0,000$
 $T = 0,000$
 $C = 0,000$
 $Lc = 0,000$
 $S. E. = 0.00 \text{ ft/ft}$

CURVE DATA
 $\Delta = 00^{\circ}00'00''$
 $R = 0,000$
 $T = 0,000$
 $C = 0,000$
 $Lc = 0,000$
 $S. E. = 0.00 \text{ ft/ft}$

CURVE DATA
 $\Delta = 00^{\circ}00'00''$
 $R = 0,000$
 $T = 0,000$
 $C = 0,000$
 $Lc = 0,000$
 $S. E. = 0.00 \text{ ft/ft}$

CONTRACTOR
STAGING/
STORAGE
AREA

BMP PLAN ROAD CONSTRUCTION
Road Construction (Cold planing, resurfacing paved shoulders and gutters, removing call boxes, upgrading drainage inlets; upgrading concrete bridge endposts, upgrading existing guardrails and end treatments; installation of new guardrails, and pavement markings)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

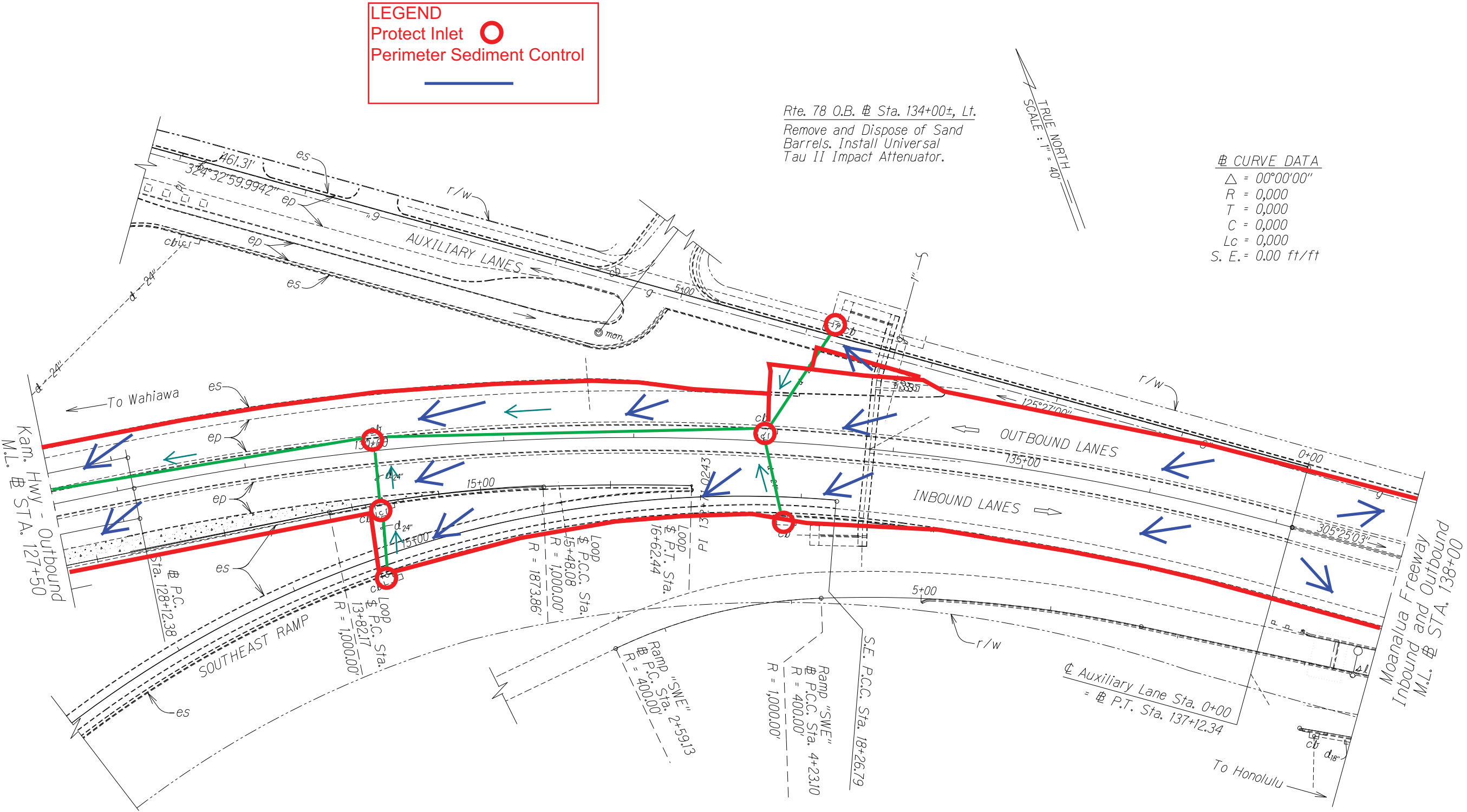
INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY

Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)

Scale: 1" = 40' Date: Dec., 2014

SHEET No. 42 OF 45 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0



BMP PLAN ROAD CONSTRUCTION
Road Construction (Cold planing, resurfacing paved shoulders and gutters, removing call boxes, upgrading drainage inlets; upgrading concrete bridge endposts, upgrading existing guardrails and end treatments; installation of new guardrails, and pavement markings)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLANS
*INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY*
Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014

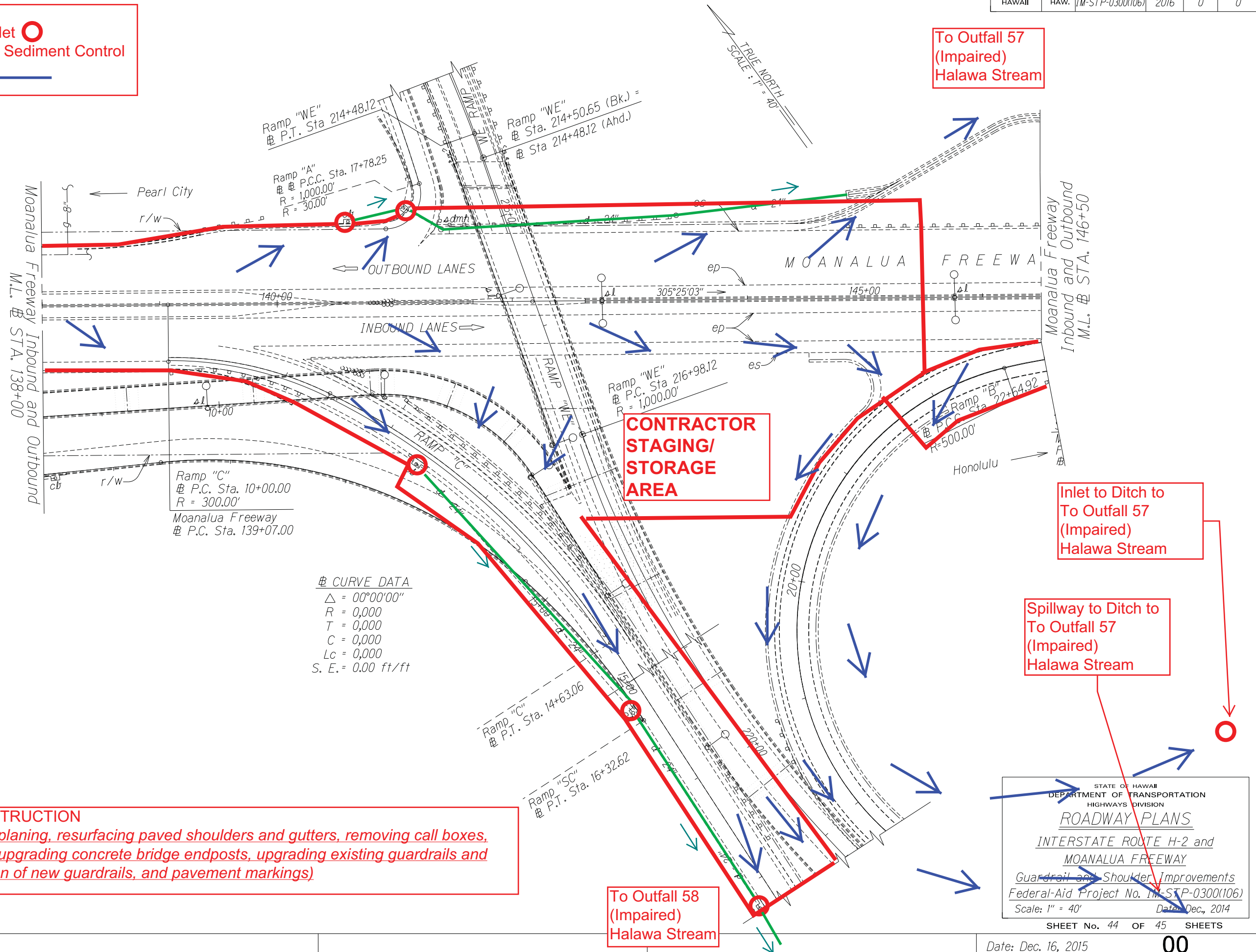
ORIGINAL PLAN	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	
N.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0

LEGEND

Protect Inlet 

Perimeter Sediment Control 



To Outfall 57
(Impaired)
Halawa Stream

CONTRACTOR
STAGING/
STORAGE
AREA

Inlet to Ditch to
To Outfall 57
(Impaired)
Halawa Stream

Spillway to Ditch to
To Outfall 57
(Impaired)
Halawa Stream

To Outfall 58
(Impaired)
Halawa Stream

BMP PLAN ROAD CONSTRUCTION
Road Construction (Cold planing, resurfacing paved shoulders and gutters, removing call boxes, upgrading drainage inlets; upgrading concrete bridge endposts, upgrading existing guardrails and end treatments; installation of new guardrails, and pavement markings)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY

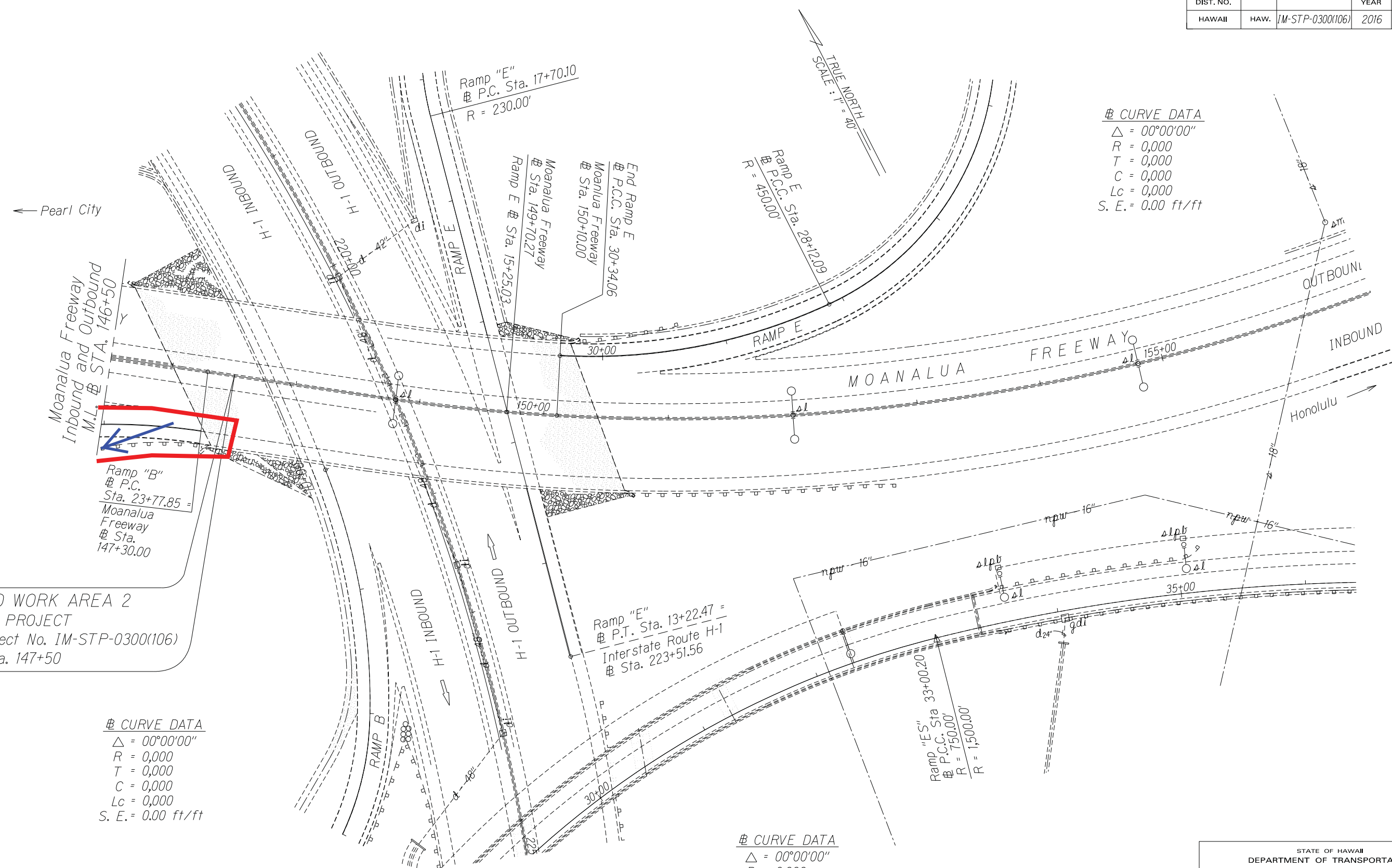
Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)

Scale: 1" = 40' Date: Dec., 2014

SHEET No. 44 OF 45 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	
INCHES BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0300(106)	2016	0	0



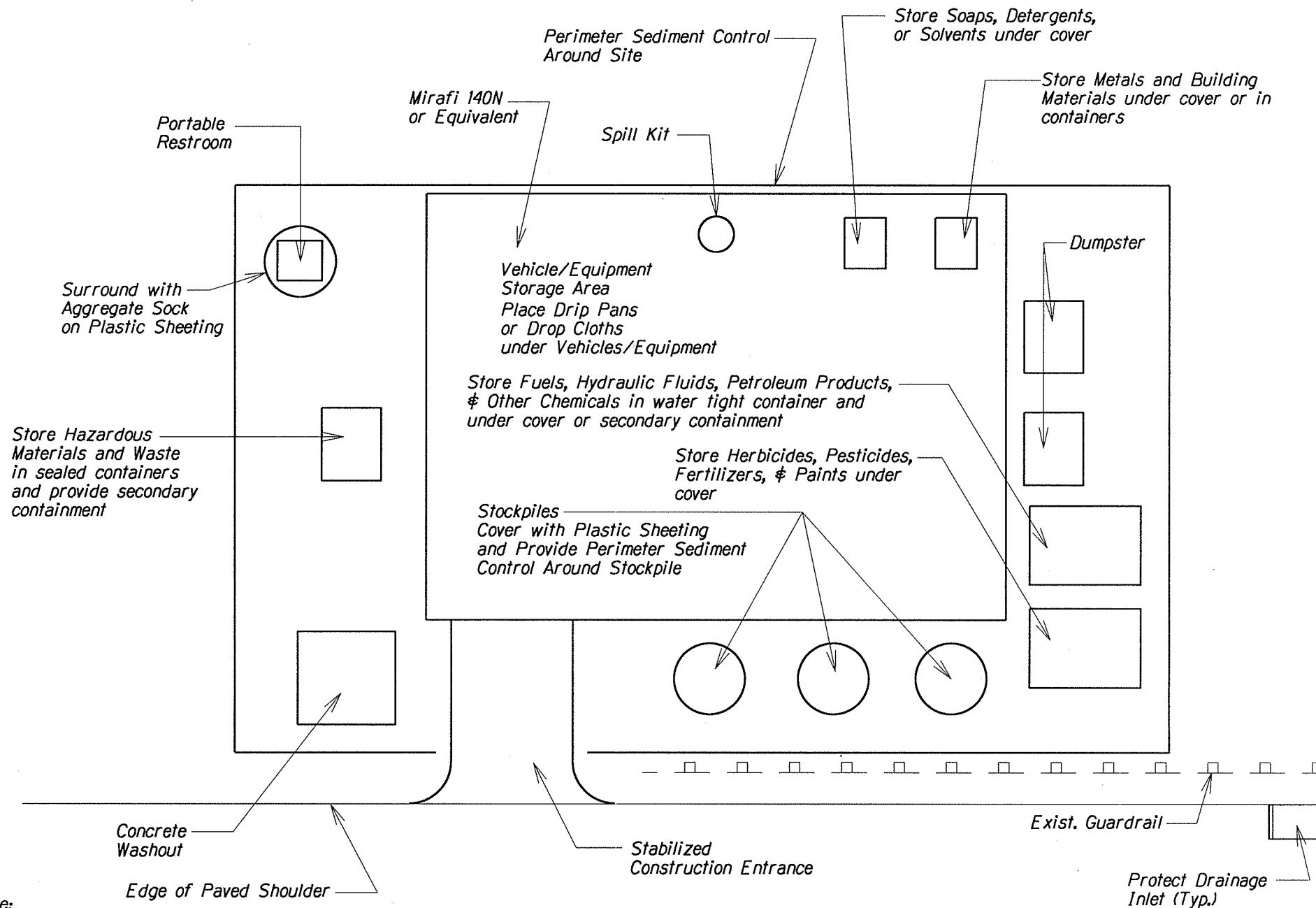
END WORK AREA 2
END PROJECT
Project No. IM-STP-0300(106)
Sta. 147+50

Curve Data
 $\Delta = 00^\circ 00' 00''$
 $R = 0,000$
 $T = 0,000$
 $C = 0,000$
 $Lc = 0,000$
 $S. E. = 0.00 \text{ ft/ft}$

Curve Data
 $\Delta = 00^\circ 00' 00''$
 $R = 0,000$
 $T = 0,000$
 $C = 0,000$
 $Lc = 0,000$
 $S. E. = 0.00 \text{ ft/ft}$

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLANS
INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY
Guardrail and Shoulder Improvements
Federal-Aid Project No. IM-STP-0300(106)
Scale: 1" = 40' Date: Dec., 2014

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	INCHES BY	
	QUANTITIES BY	
	CHECKED BY	

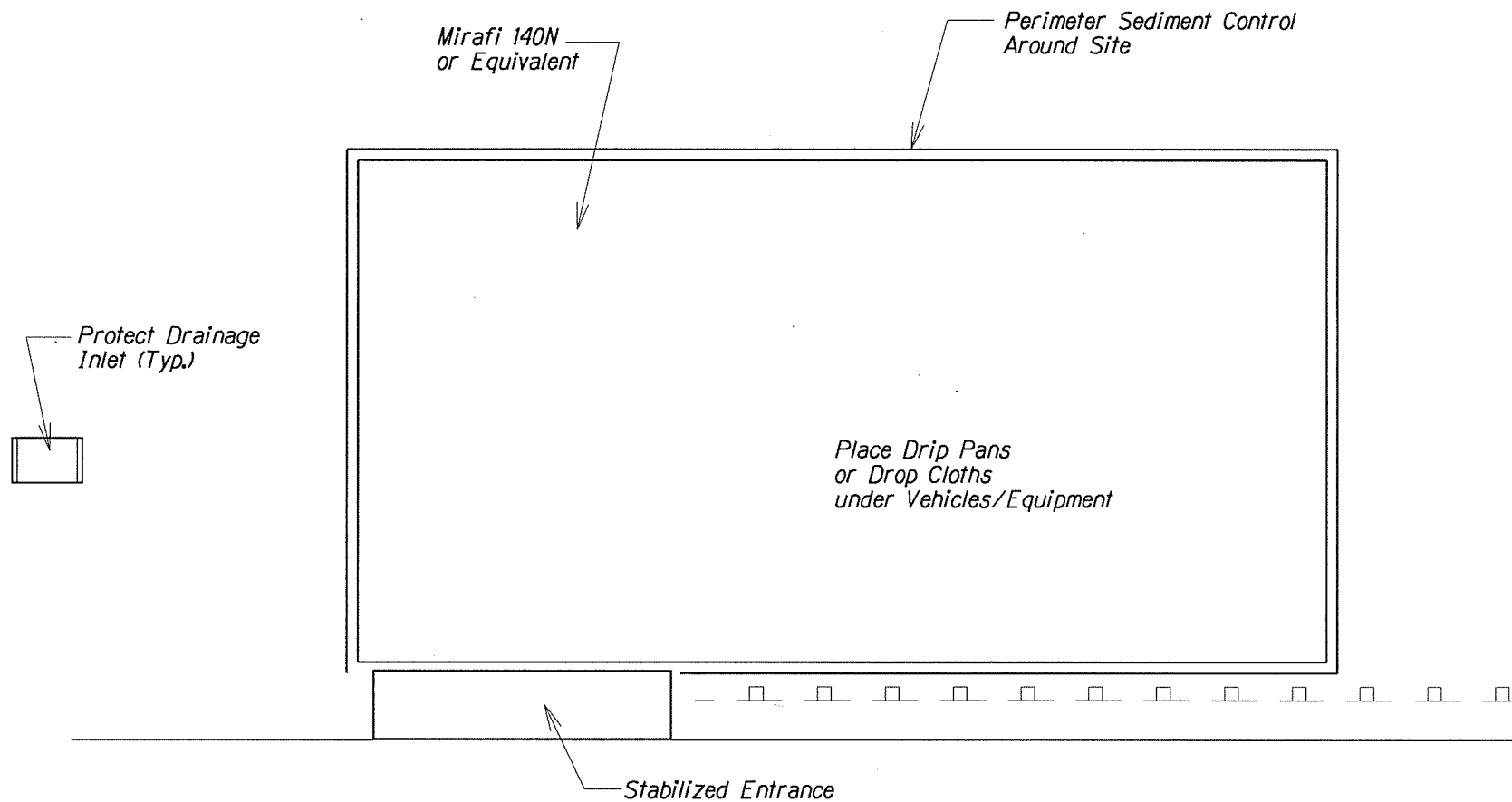


Note:

- 1) Restore area to equivalent of original condition once construction is completed.
- 2) Contractor shall ensure proper protection for Staging/Storage Area.
- 3) Do not maintain or wash vehicles on-site. Provide appropriate BMPs if Contractor elects to do so.

STAGING/STORAGE AREA

Not to Scale



Note:

- 1) Restore area to equivalent of original condition once construction is completed.
- 2) Contractor shall ensure proper protection for Equipment Storage Area.

EQUIPMENT STORAGE AREA
Not to Scale